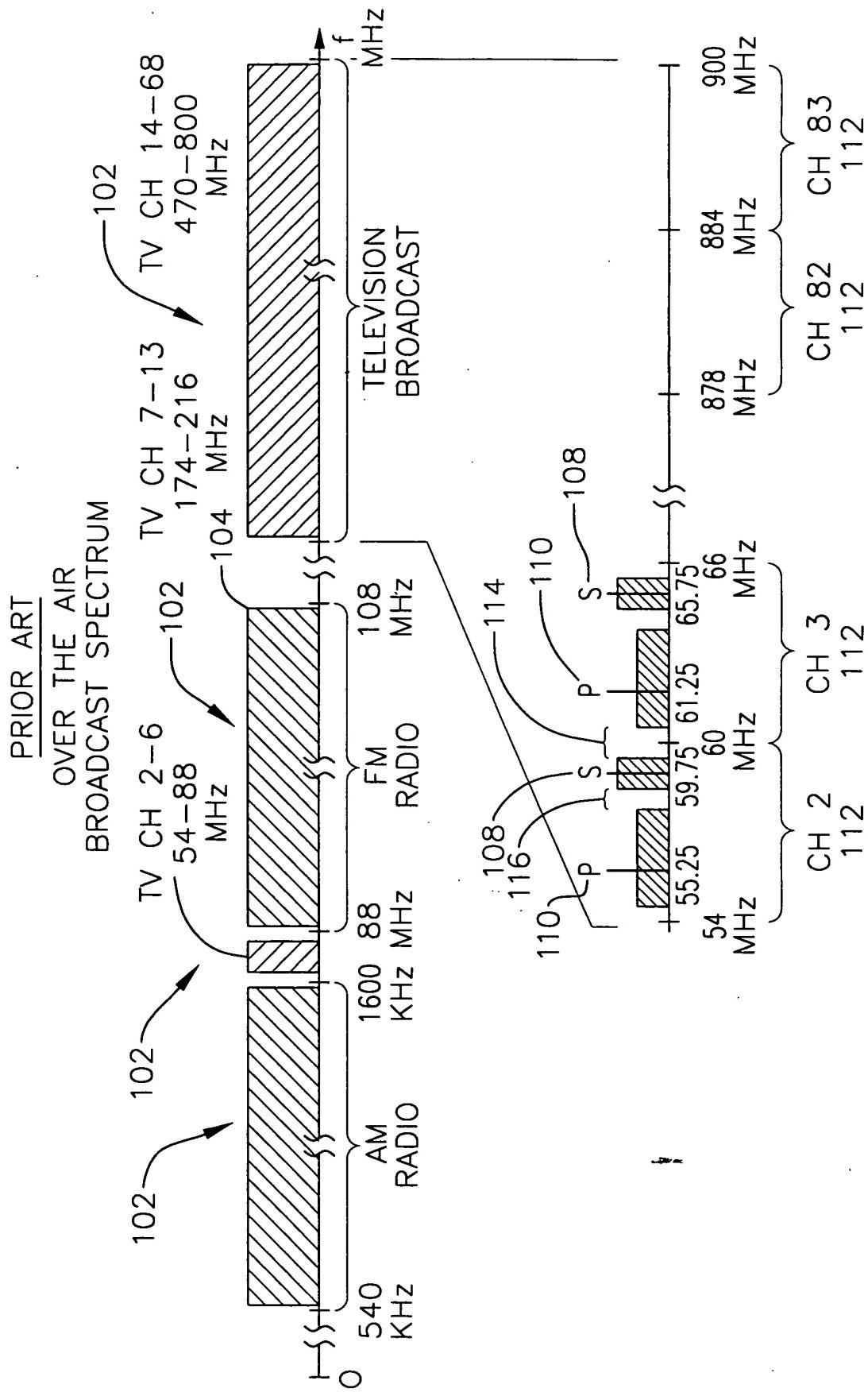


FIG. 1



TELETYPE 24099260

FIG.2

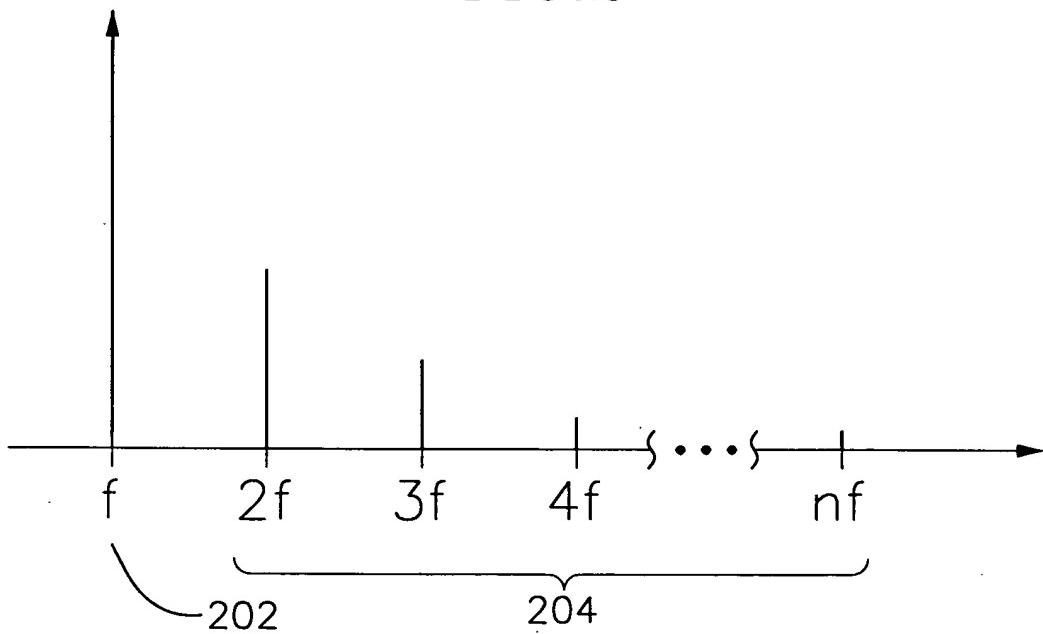
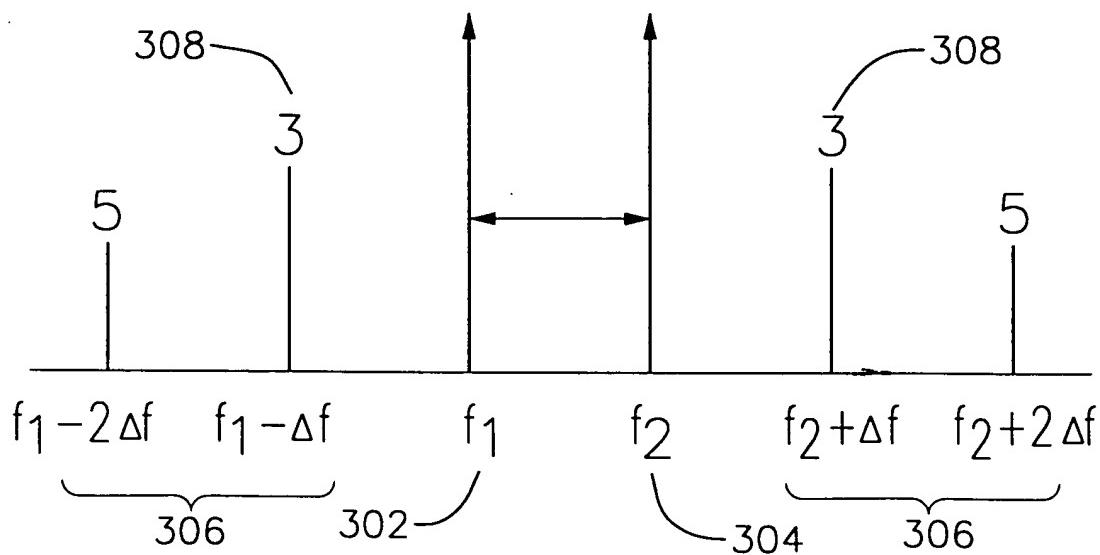


FIG.3
PRIOR ART



F D G T F D " S t r i p 3 9 < 6 0

FIG. 4
PRIOR ART

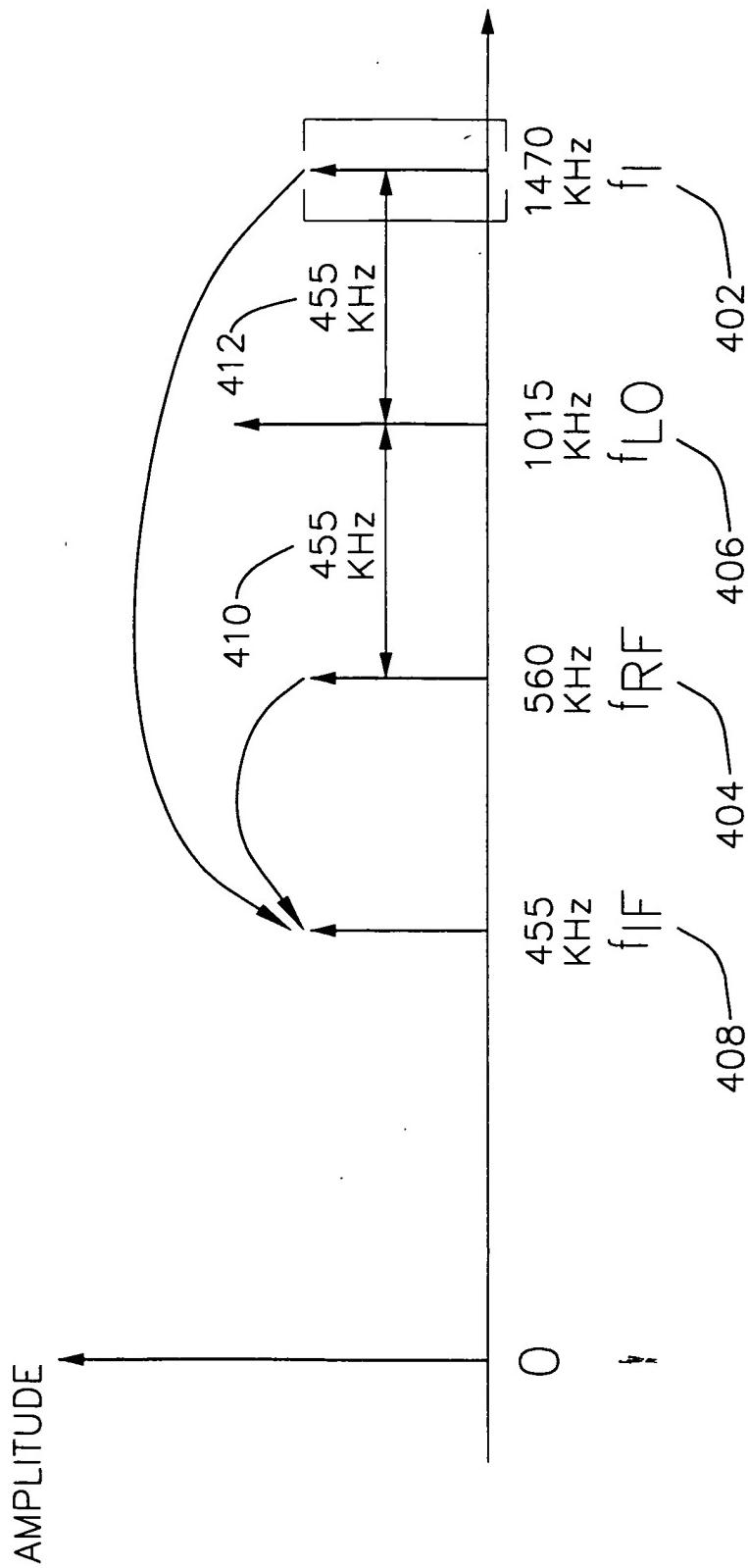


FIG. 5
DUAL CONVERSION RECEIVER

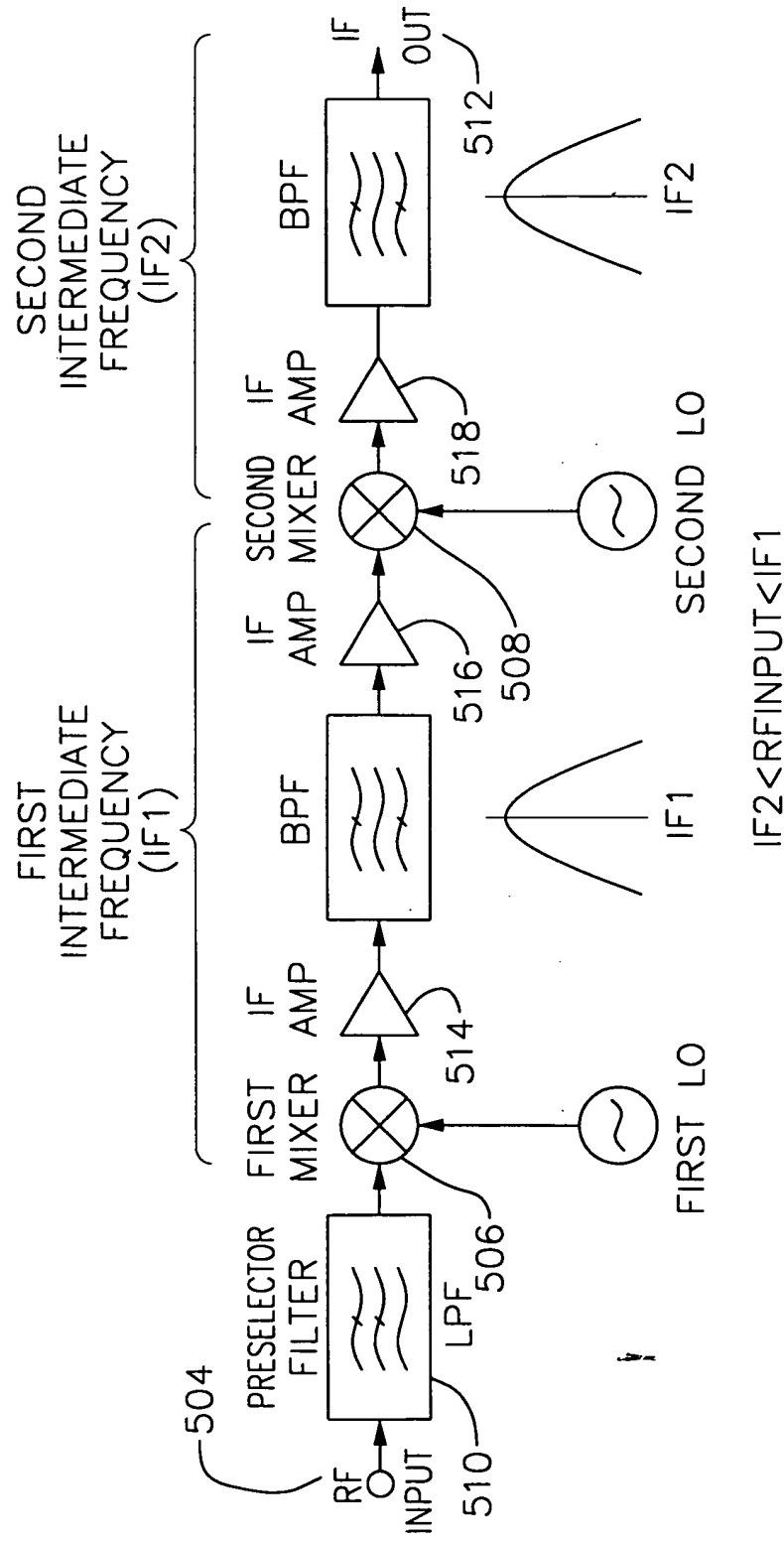
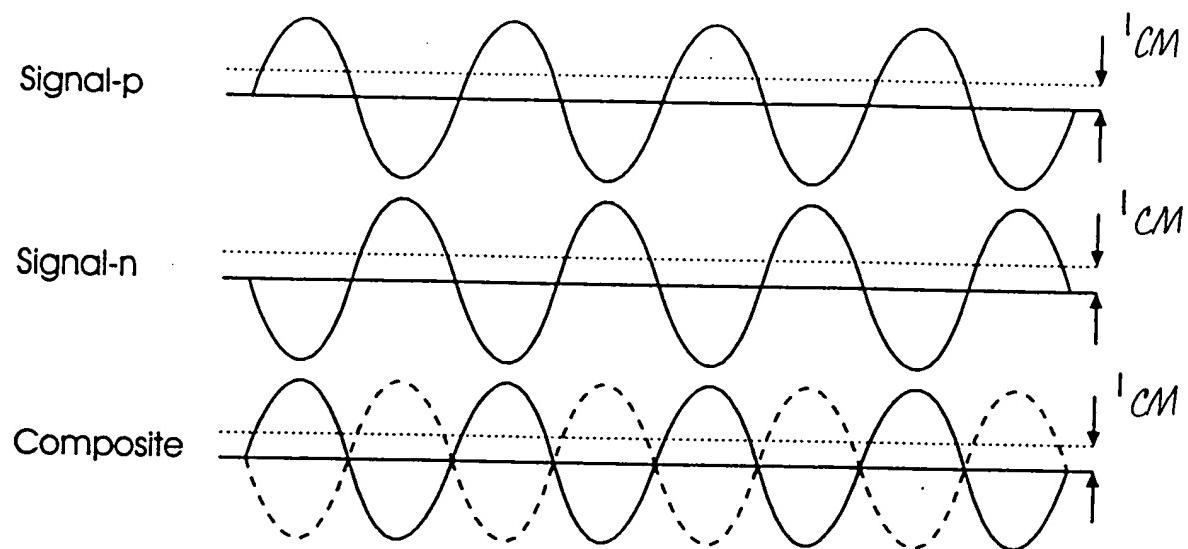
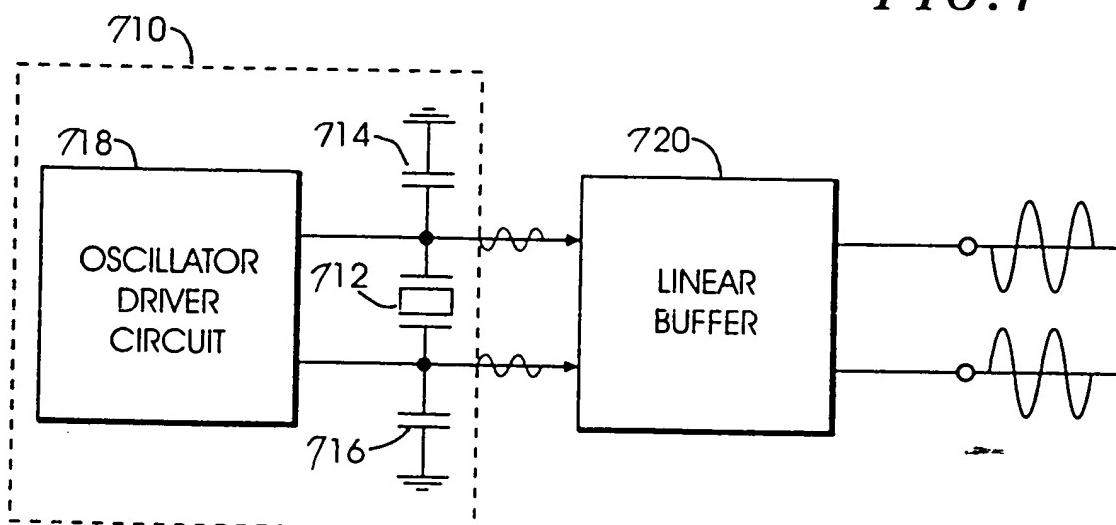


FIG. 6



09765048.011901

FIG. 7



0976048 - 011901

FIG. 8

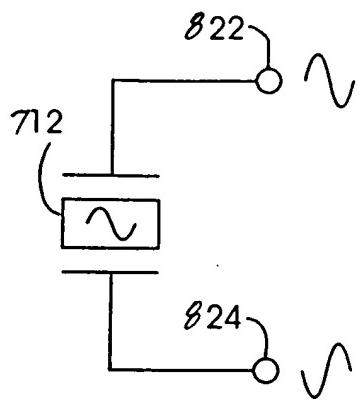


FIG. 9

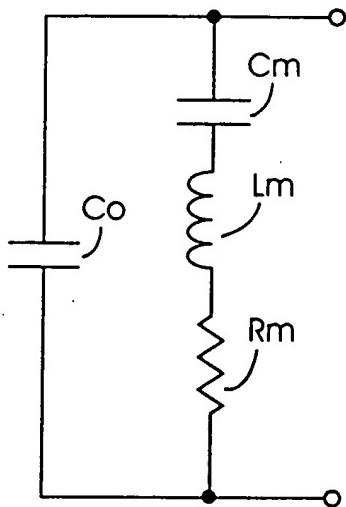


FIG. 10

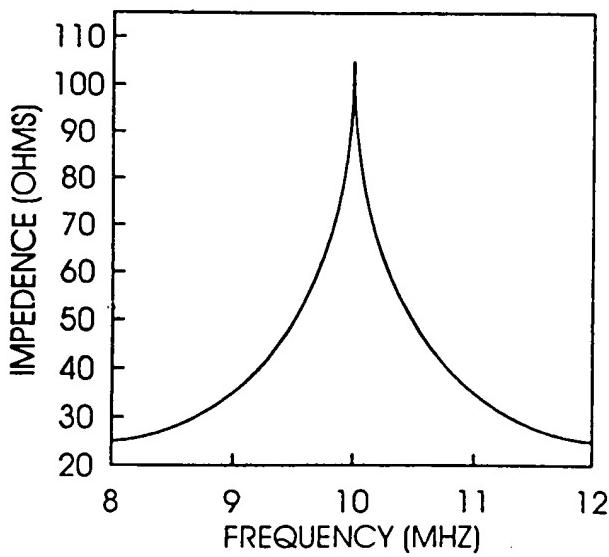


FIG. 11

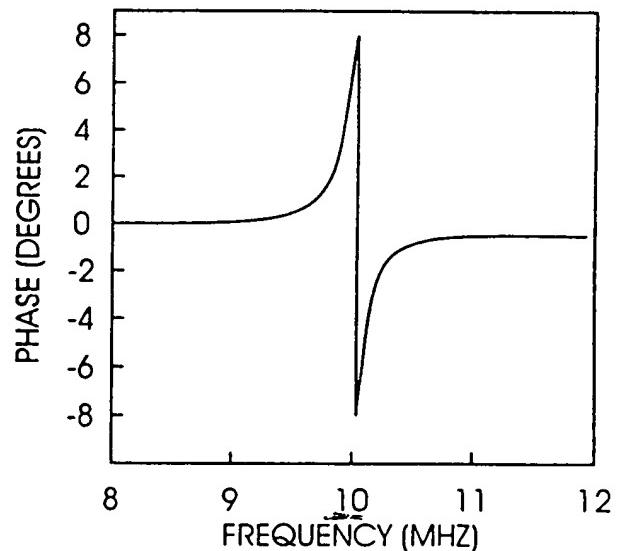


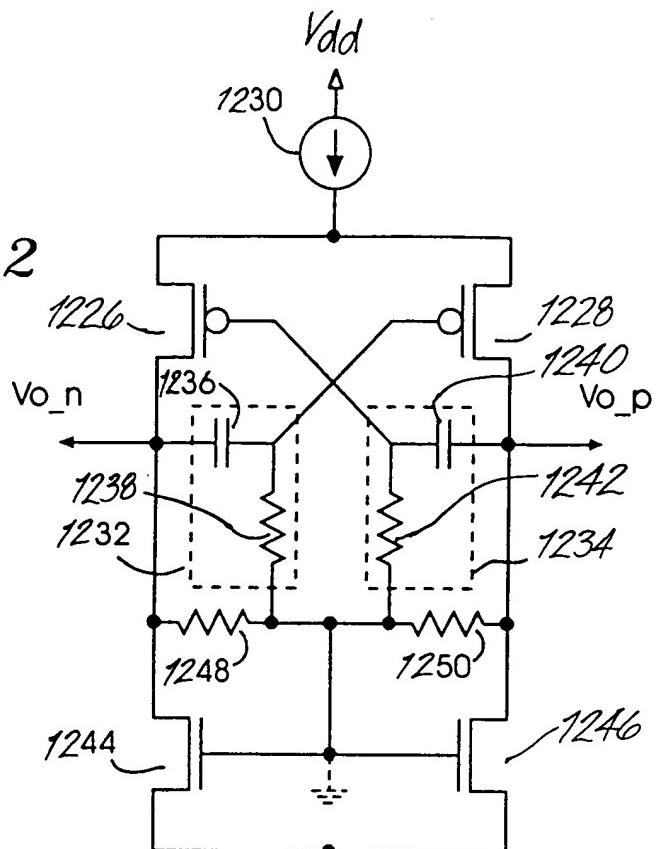
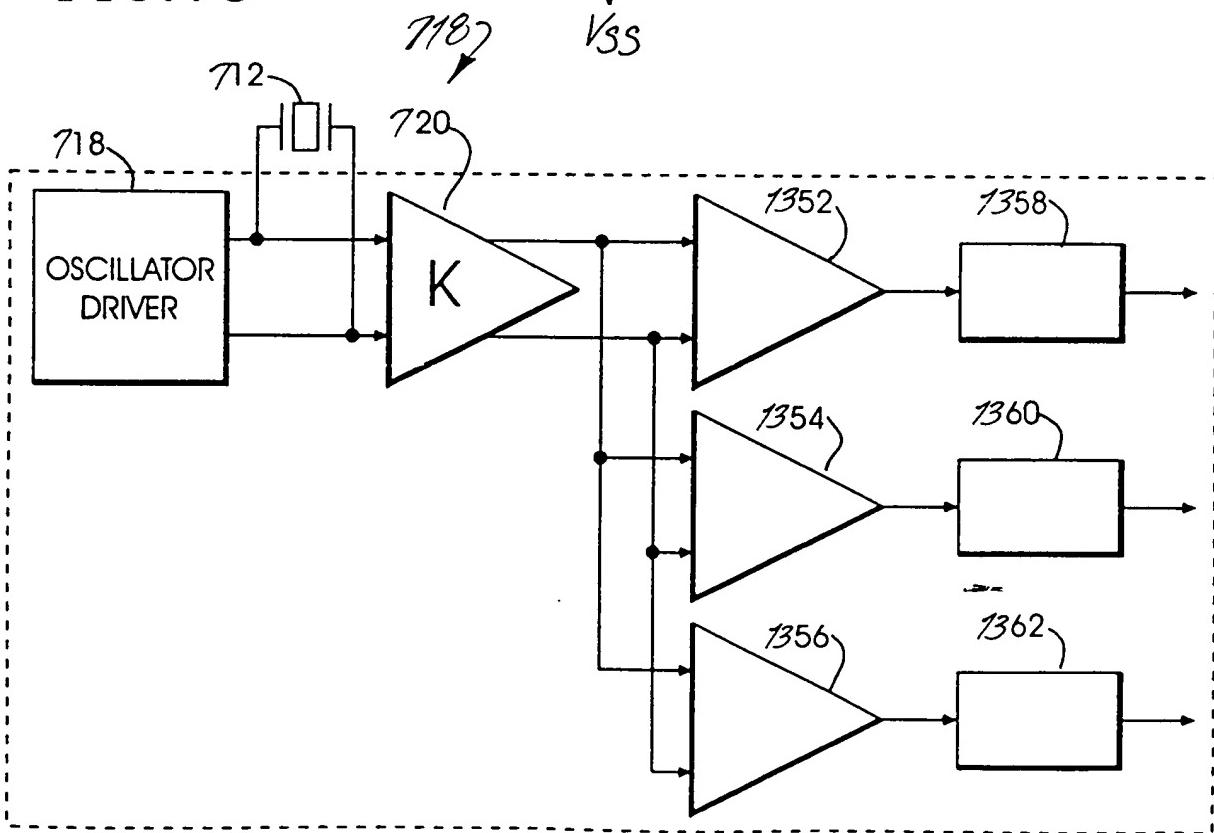
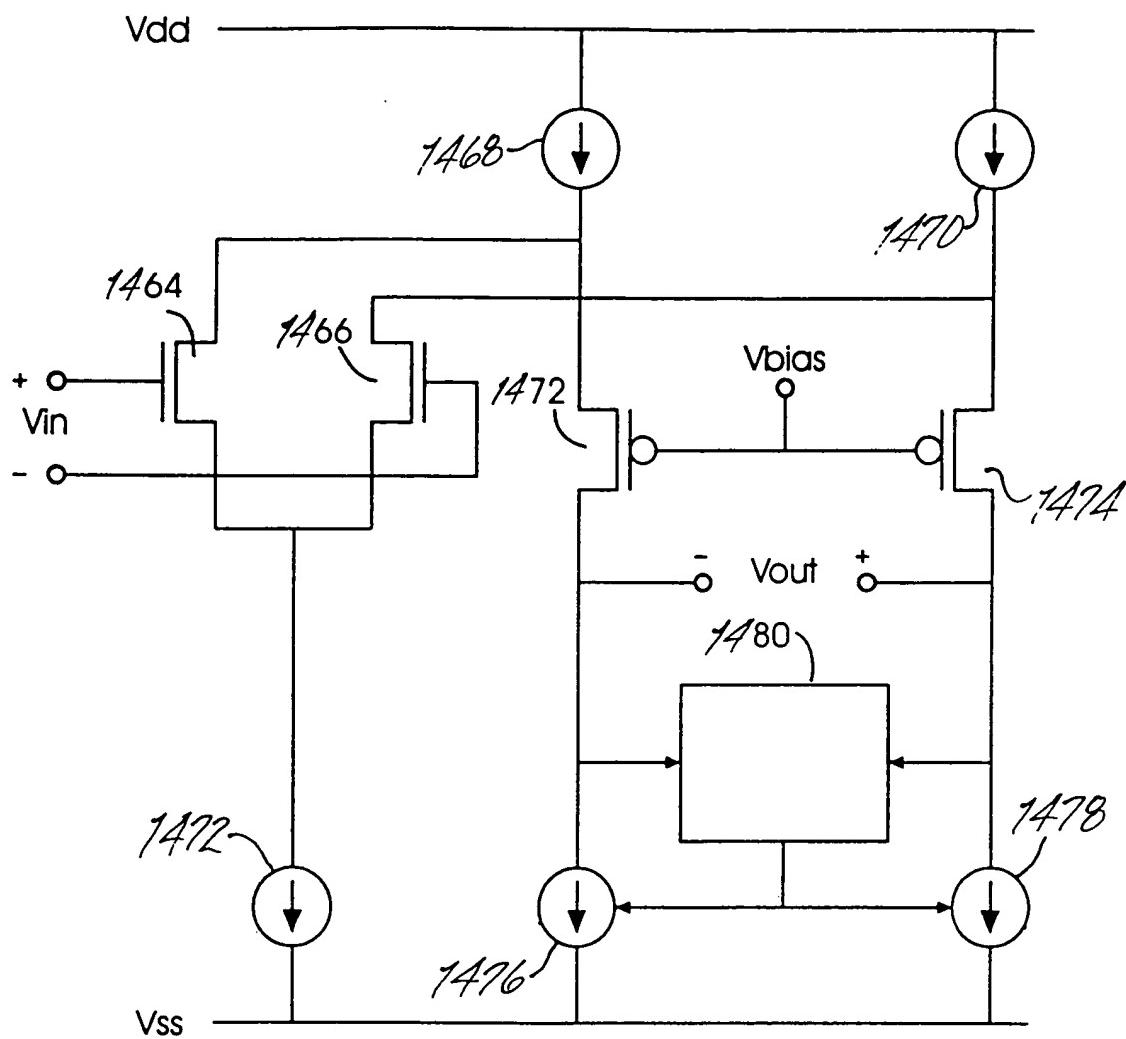
FIG. 12*FIG. 13*

FIG. 14



09766048 - 011901

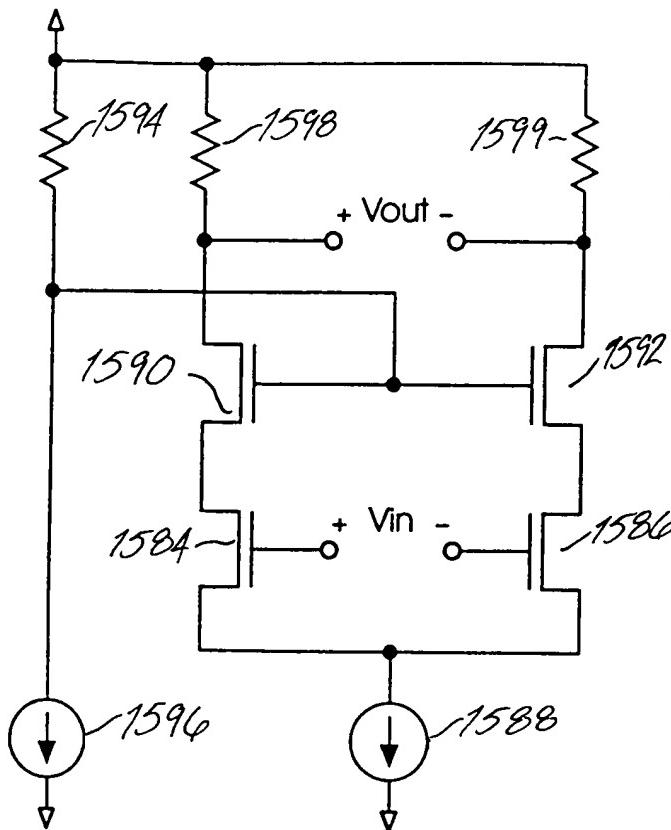


FIG. 15

FIG. 16

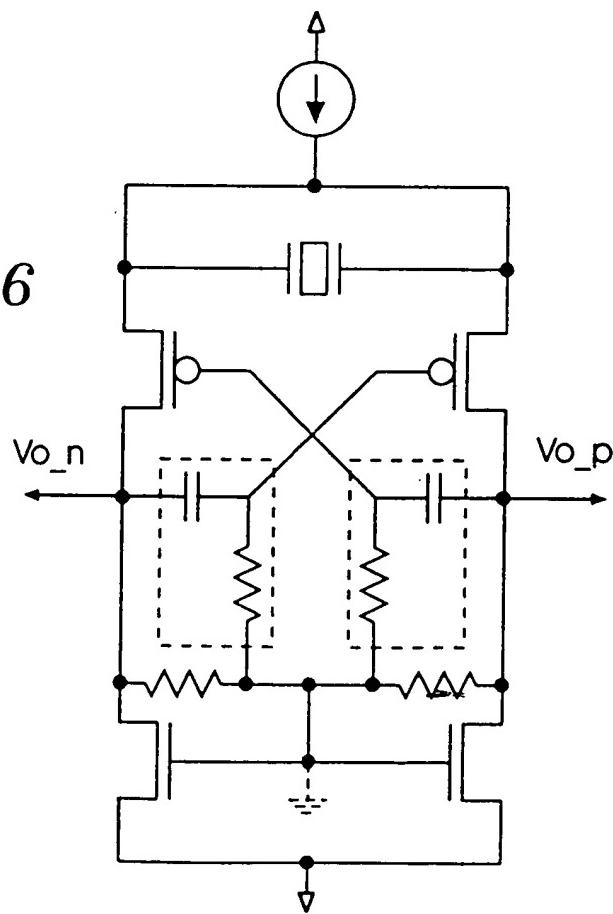
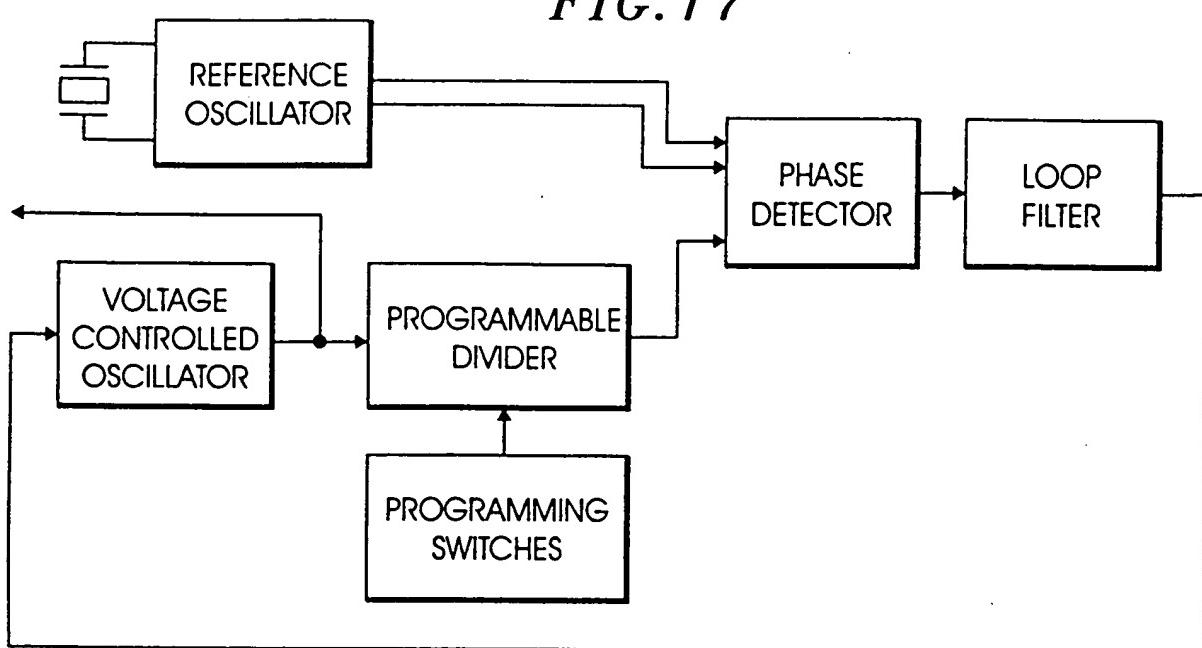


FIG. 17



09766048 - 011901

FIG. 18

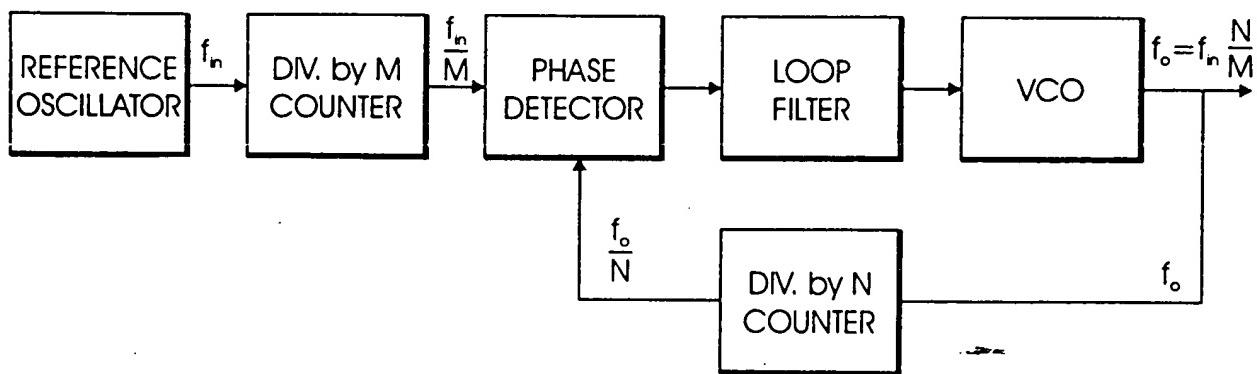
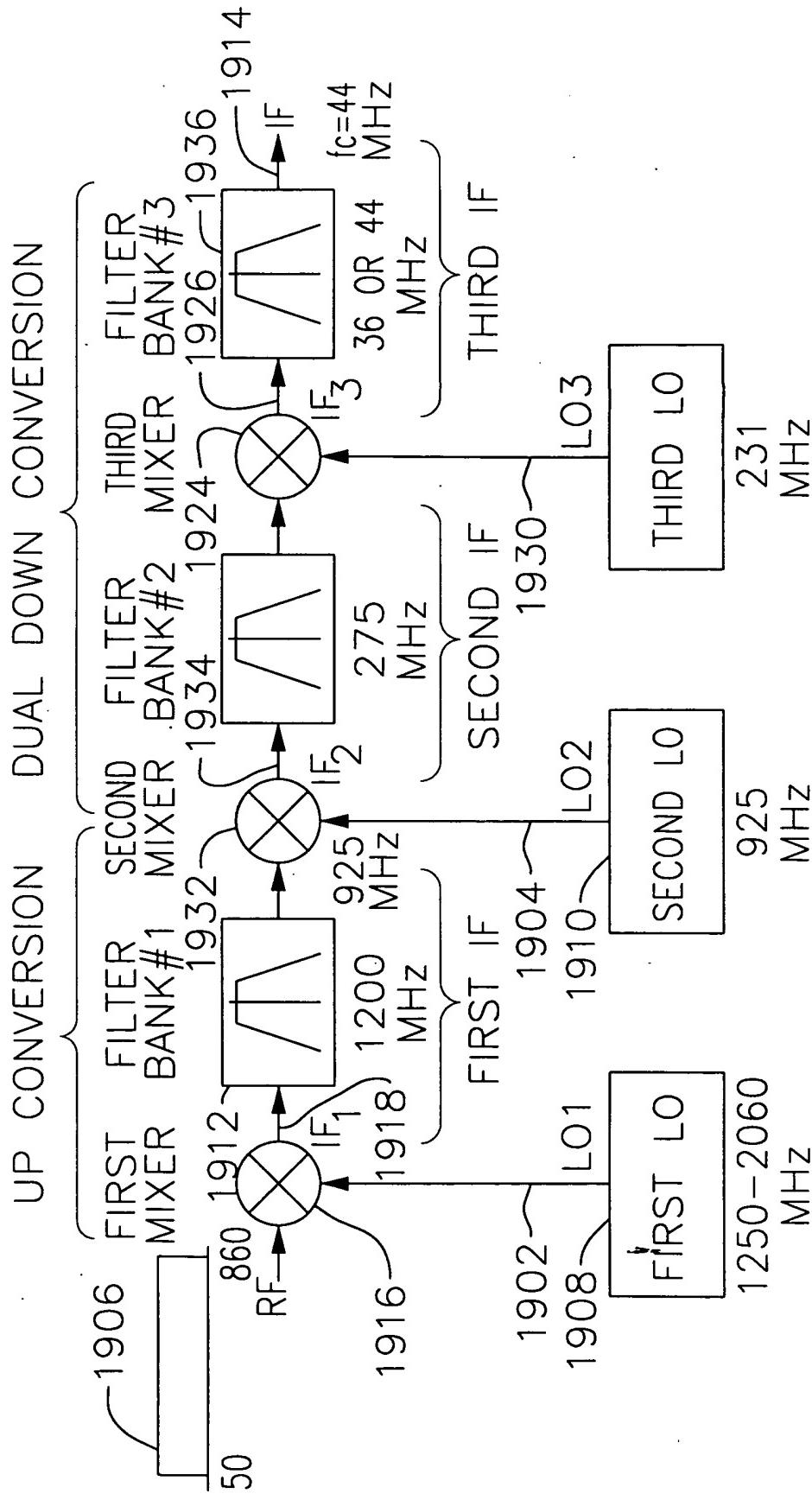
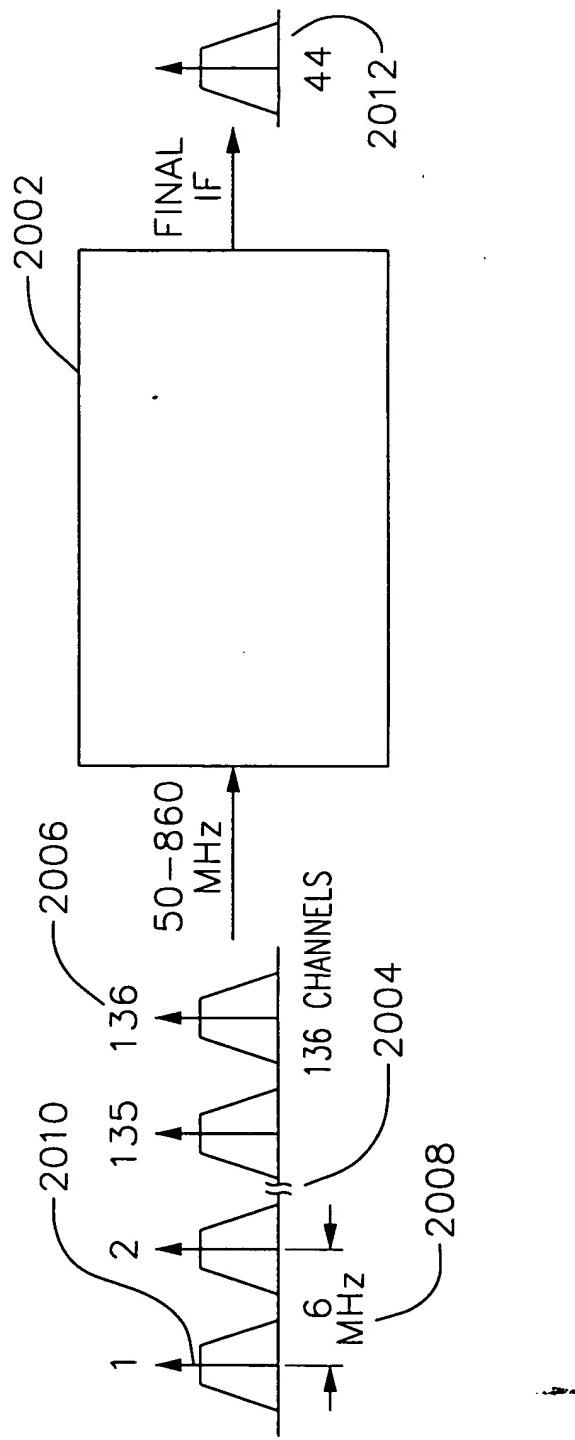


FIG. 19



09.06.04.3 "ОЛГО"

FIG. 20



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FIG.21

PPL Xtal REFERENCE=10MHz
 LO-1, 10MHz FREQUENCY STEPS
 LO-2, 100kHz FREQUENCY STEPS
 44MHz IF

TABLE OF FREQUENCIES BASED ON
 COARSE/FINE PLL SOLUTION:

Fr _f (MHz)	NOTE • LO-2 REF=100KHz, SO DIVIDE RANGE=9216 TO 9280																
	50	56	62	68	74	80	86	92	98	104	110	116	122	128	"	854	860
LO-1(MHz)	1250	1260	1270	1270	1280	1290	1290	1300	1300	1310	1320	1320	1330	"	2050	2060	
IF-1 (MHz)	1200	1204	1198	1202	1196	1200	1204	1198	1202	1196	1200	1204	1198	1202	"	1196	1200
LO-2(MHz)	924.8	928.0	923.2	926.4	921.6	924.8	928.0	923.2	926.4	921.6	924.8	928.0	923.2	926.4	"	921.6	924.8
IF-2(MHz)	275.2	276.0	274.8	275.6	274.4	275.2	276.0	274.8	275.6	274.4	275.2	276.0	274.8	275.6	"	274.4	275.2
LO-3(MHz)	231.2	232	230.8	232	230	231	232	231	232	230	231	232	231	232	"	230	231
IF-3(MHz)	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	"	44.0	44.0

2102

F D S T F D " B H D S I S X 6 0

FIG. 22

PPL Xtal REFERENCE=10MHz
 LO-1, 10MHz FREQUENCY STEPS
 LO-2, 100kHz FREQUENCY STEPS
 36MHz IF

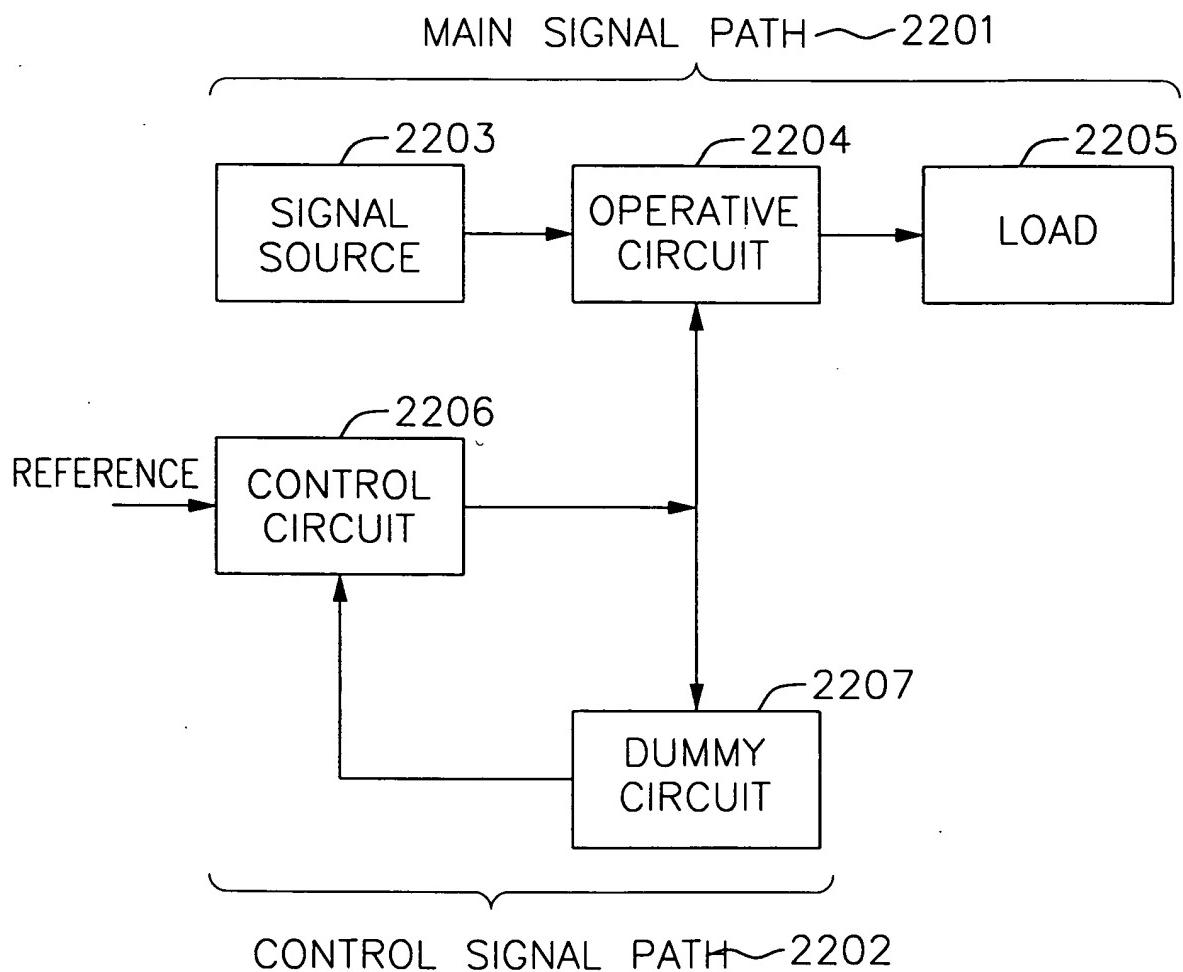
TABLE OF FREQUENCIES BASED ON
 COARSE/FINE PLL SOLUTION:

NOTE
 • LO-2 REF=100KHz,
 SO DIVIDE RANGE=9280 TO 9340

f_f (MHz)	50	58	66	74	82	90	98	106	114	122	130	138	146	154	"	852	860	
LO-1(MHz)	1250	1260	1270	1270	1280	1290	1300	1310	1310	1320	1330	1340	1350	1350	"	2050	2060	
IF-1 (MHz)	1200	1202	1204	1196	1198	1200	1202	1204	1196	1198	1200	1202	1204	1196	"	1198	1200	
LO-2(MHz)	931.2	932.8	934.4	928.0	930	931	933	934	928.0	930	931	933	934	928.0	"	929.60	931.2	
IF-2(MHz)	268.8	269.2	269.6	268.0	268.4	268.8	269.2	269.6	268.0	268.4	268.8	269.2	269.6	268.0	"	268.4	268.8	
LO-3(MHz)	232.8	233.2	233.6	232	232	233	233	234	234	232	232	233	233	234	232.0	"	232.4	232.8
IF-3(MHz)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	"	36.0	36.0	

FIG. 23

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FIG. 24a

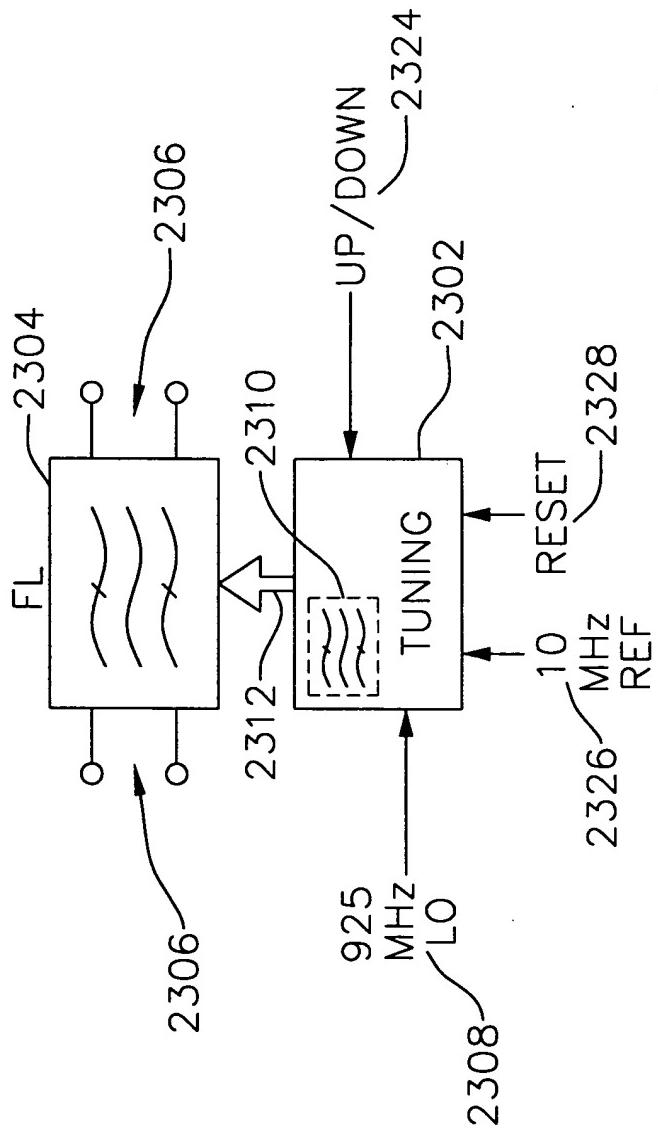


FIG. 24b

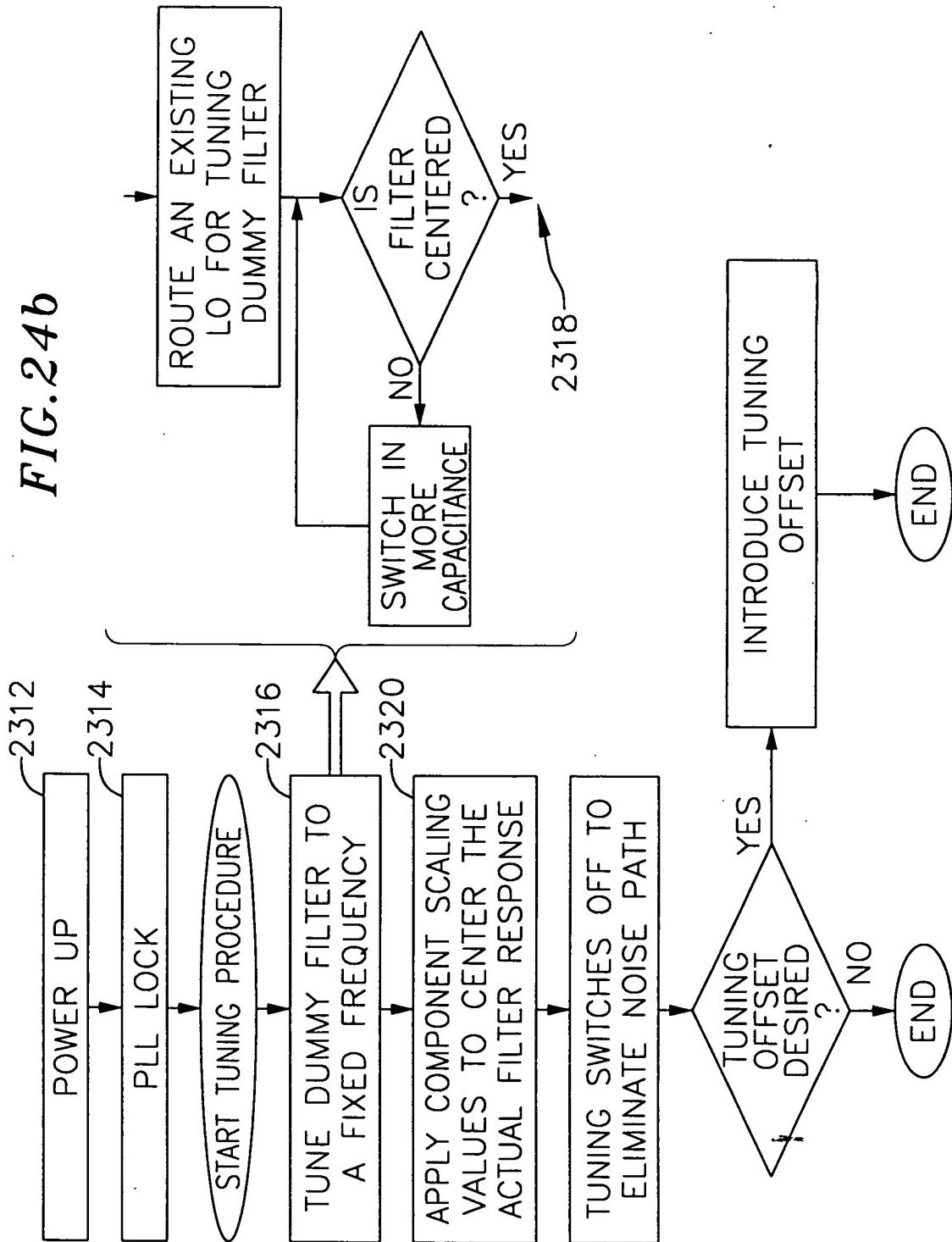


FIG. 24c

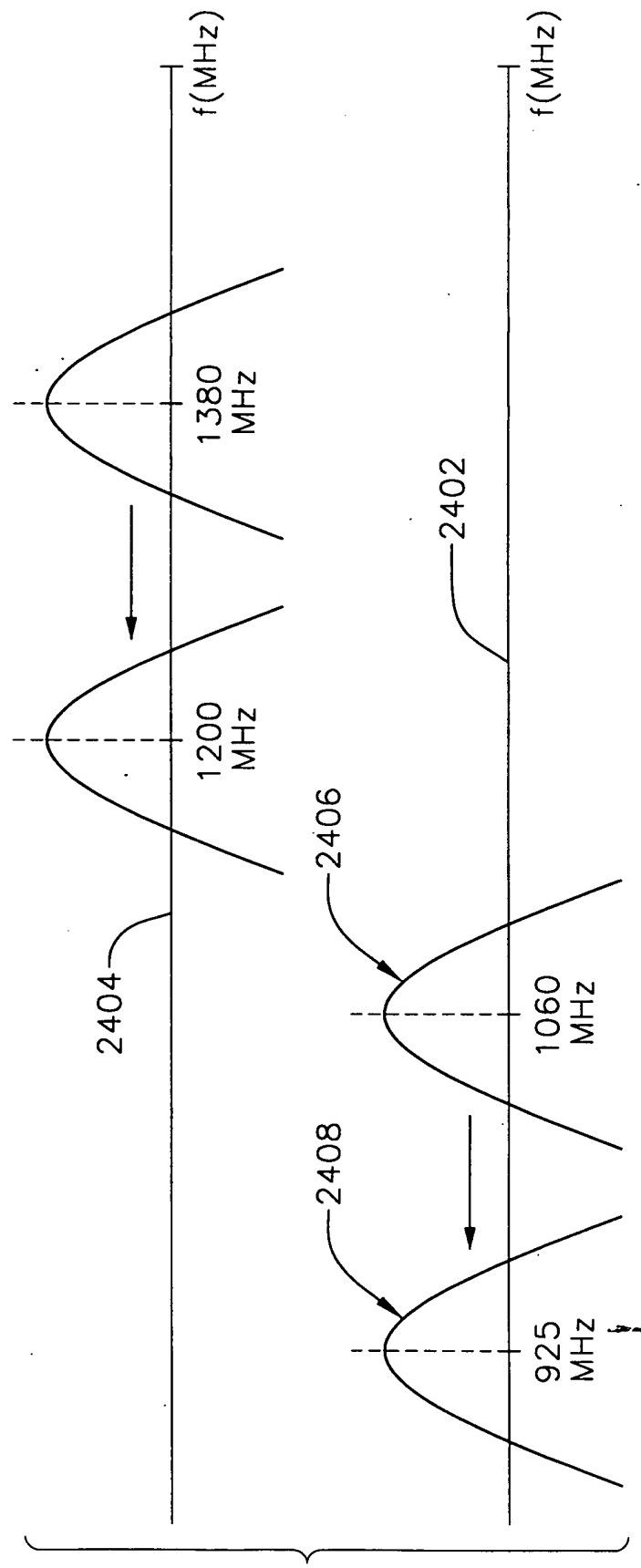
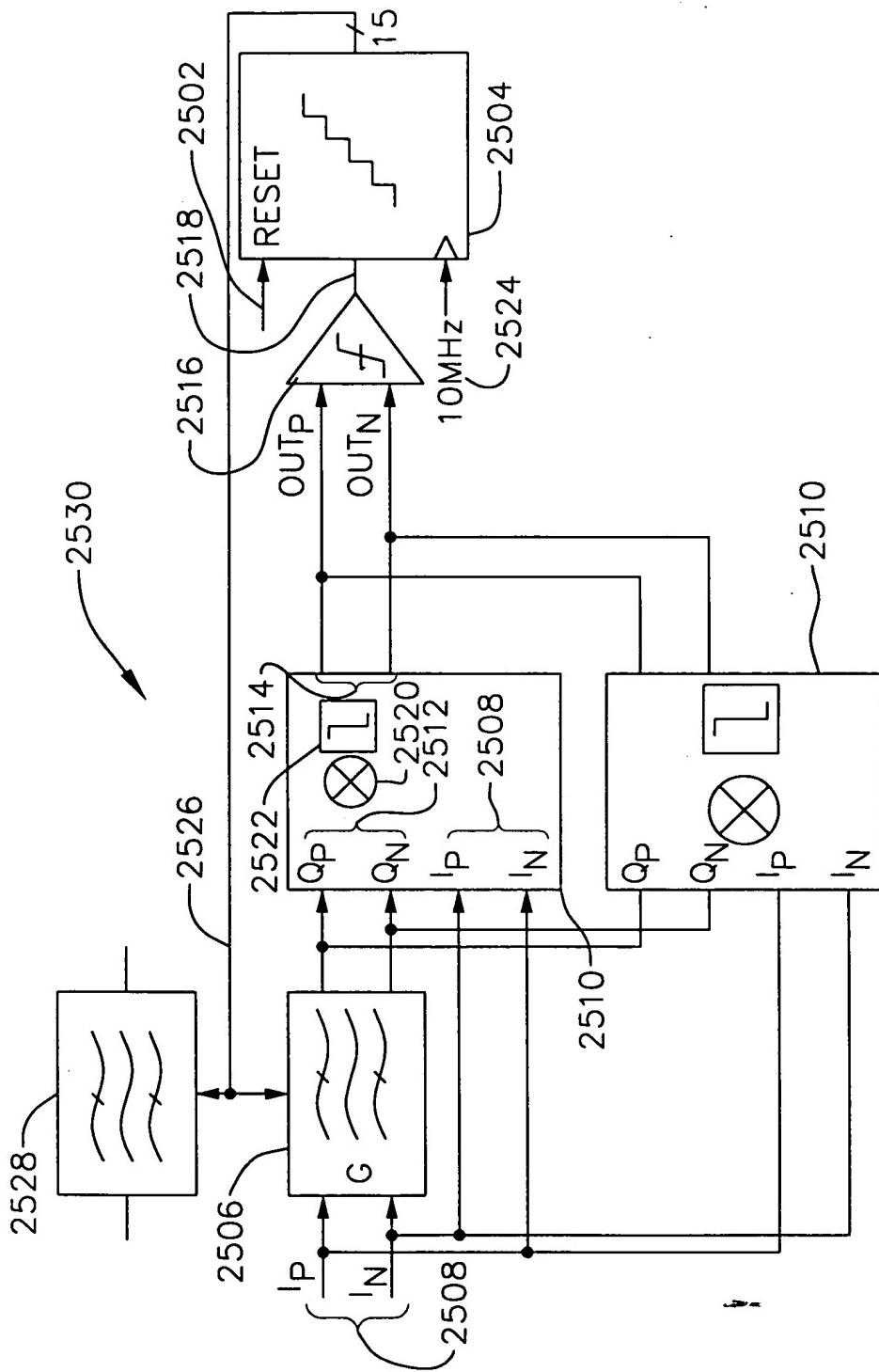
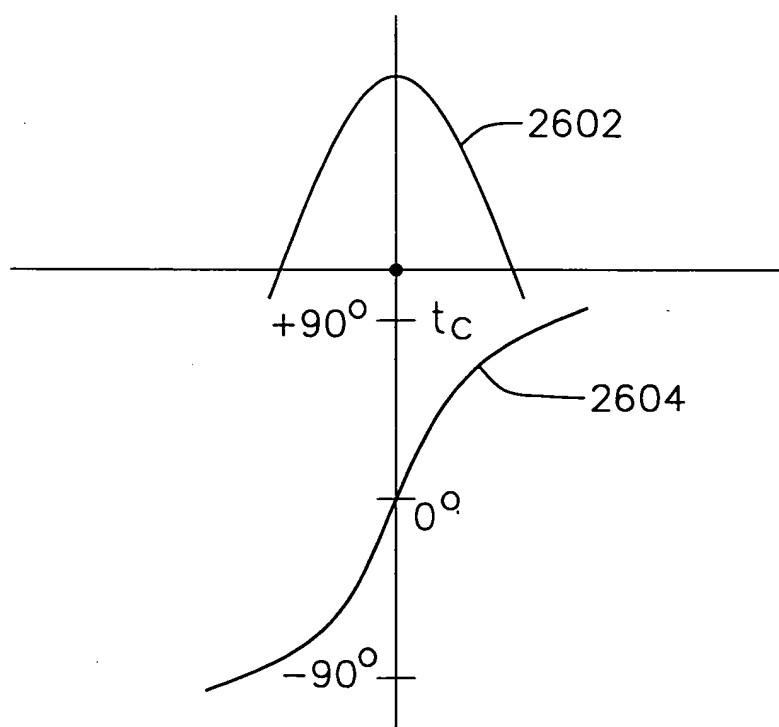


FIG. 25



0976048 - 011901

FIG. 26



F005TTD-84029260

FIG. 27

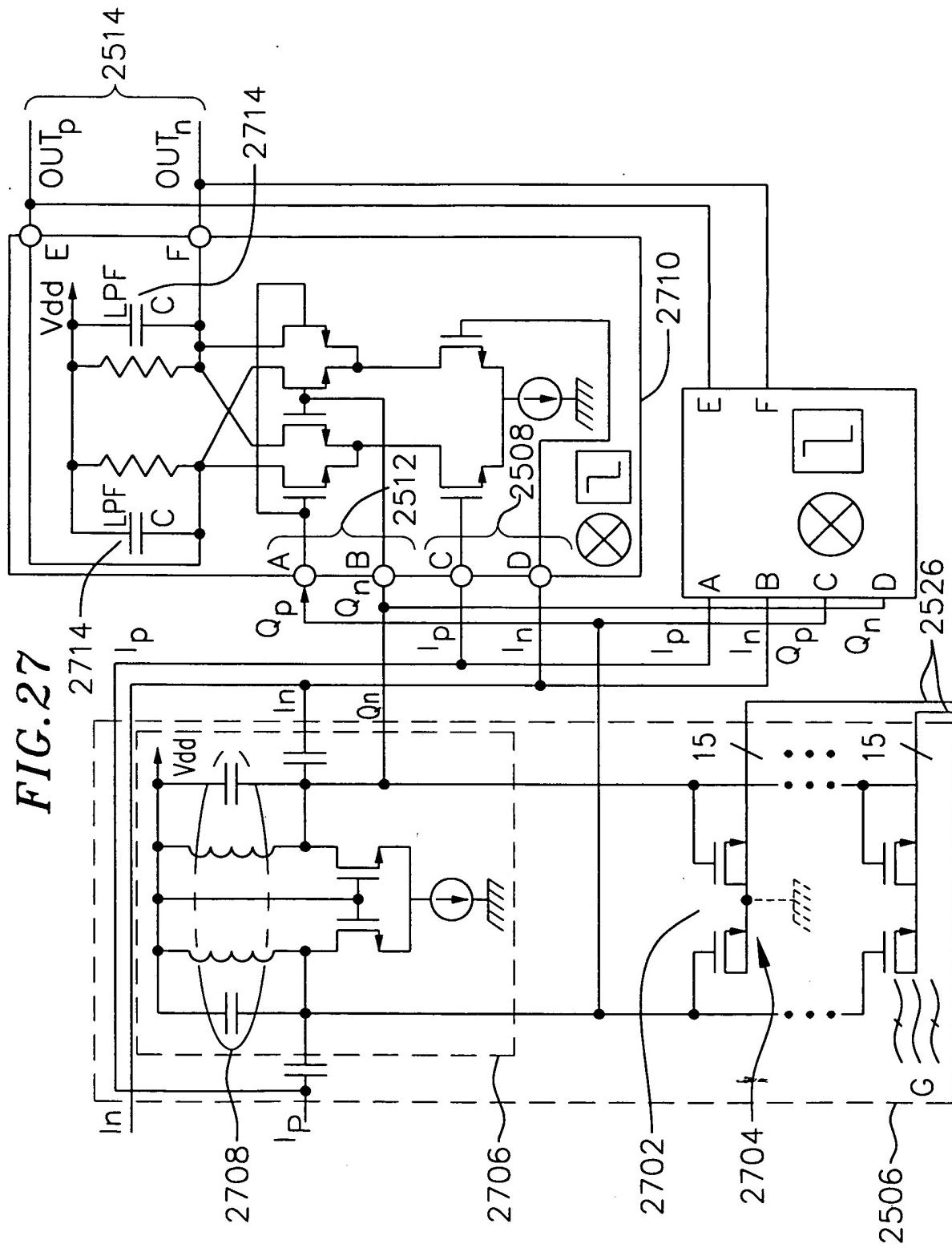
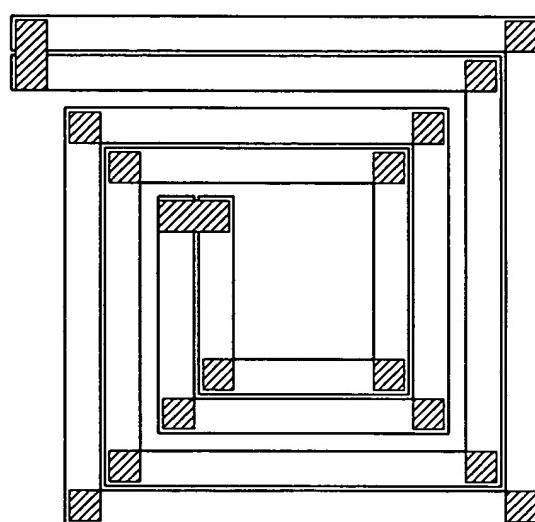


FIG.28



09766043 „C.I.13001

FIG. 29

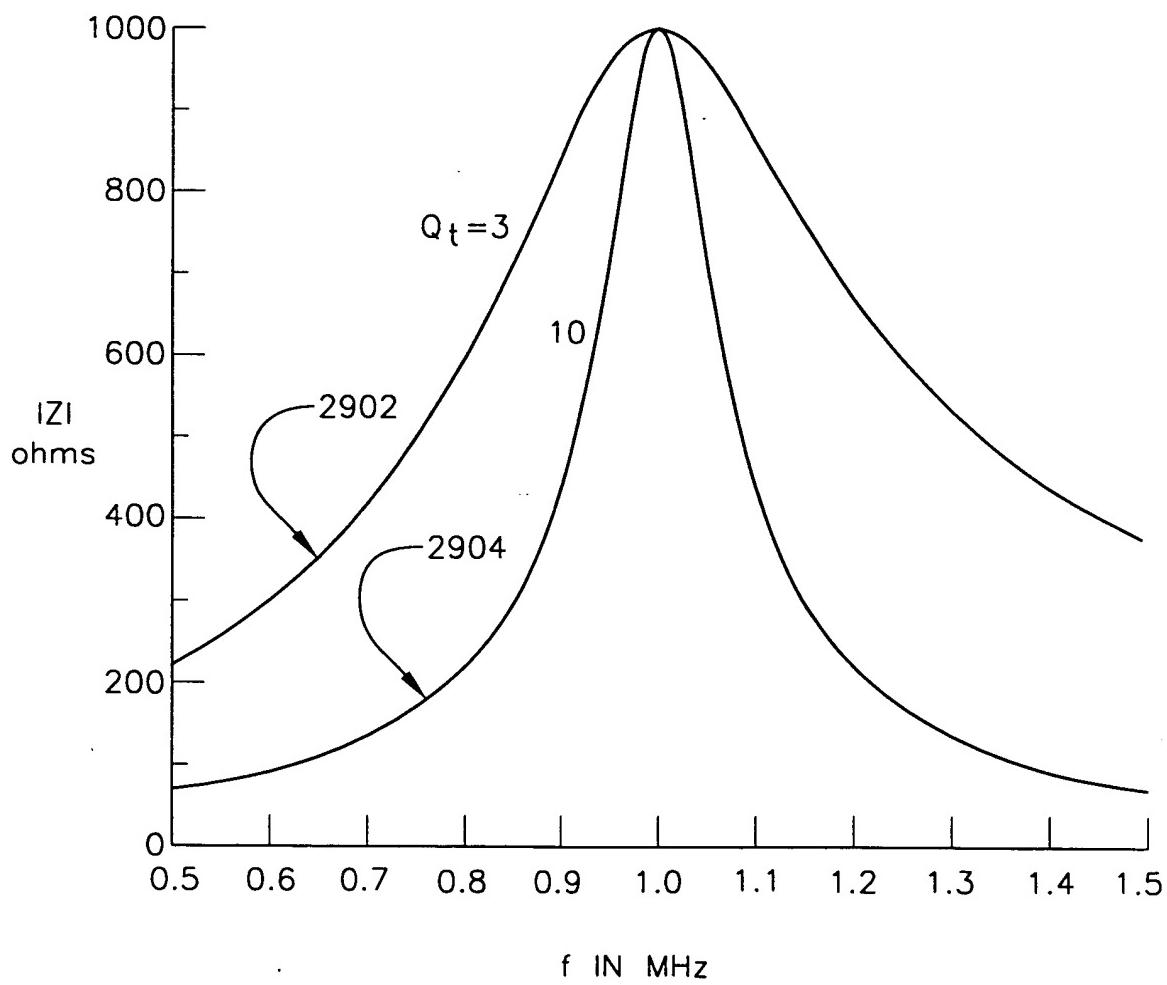


FIG.30

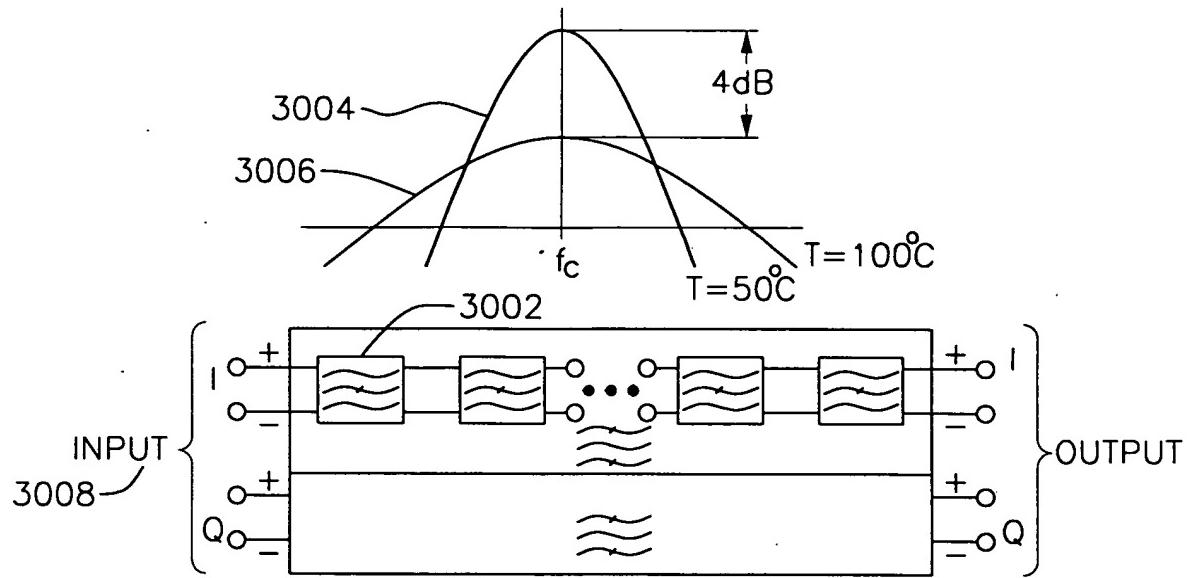


FIG.31

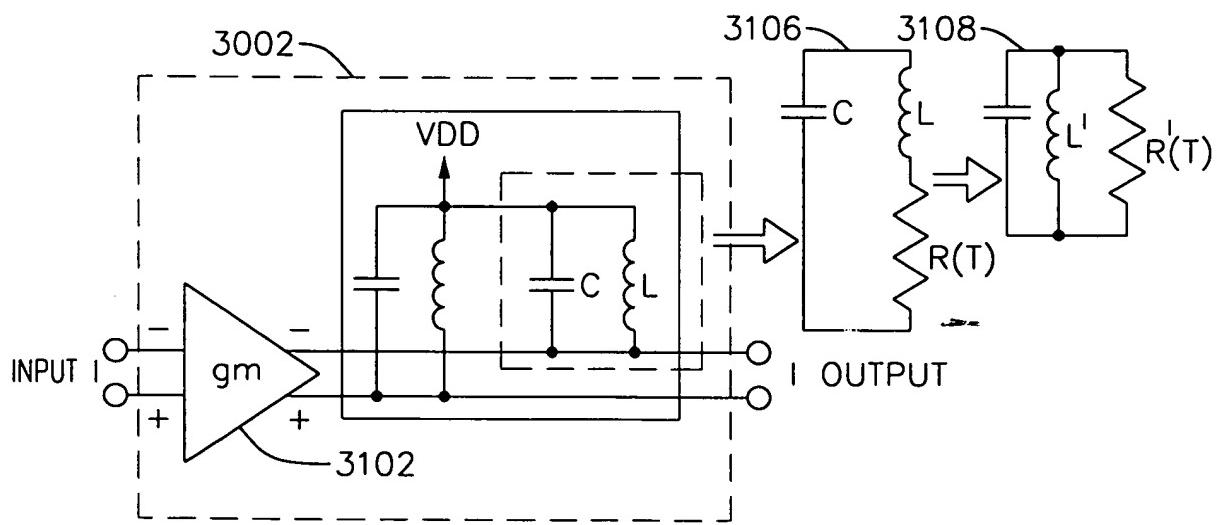
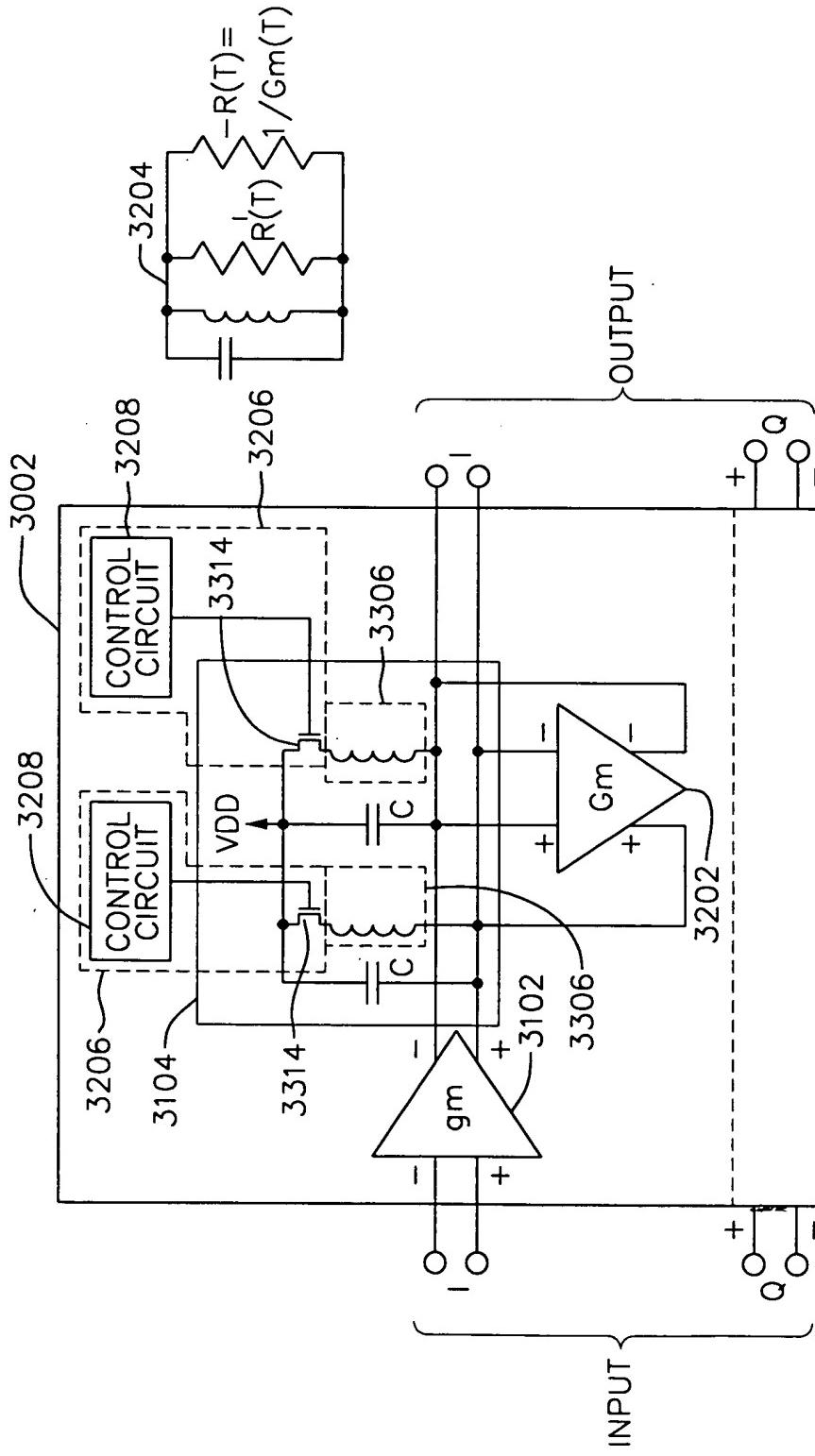
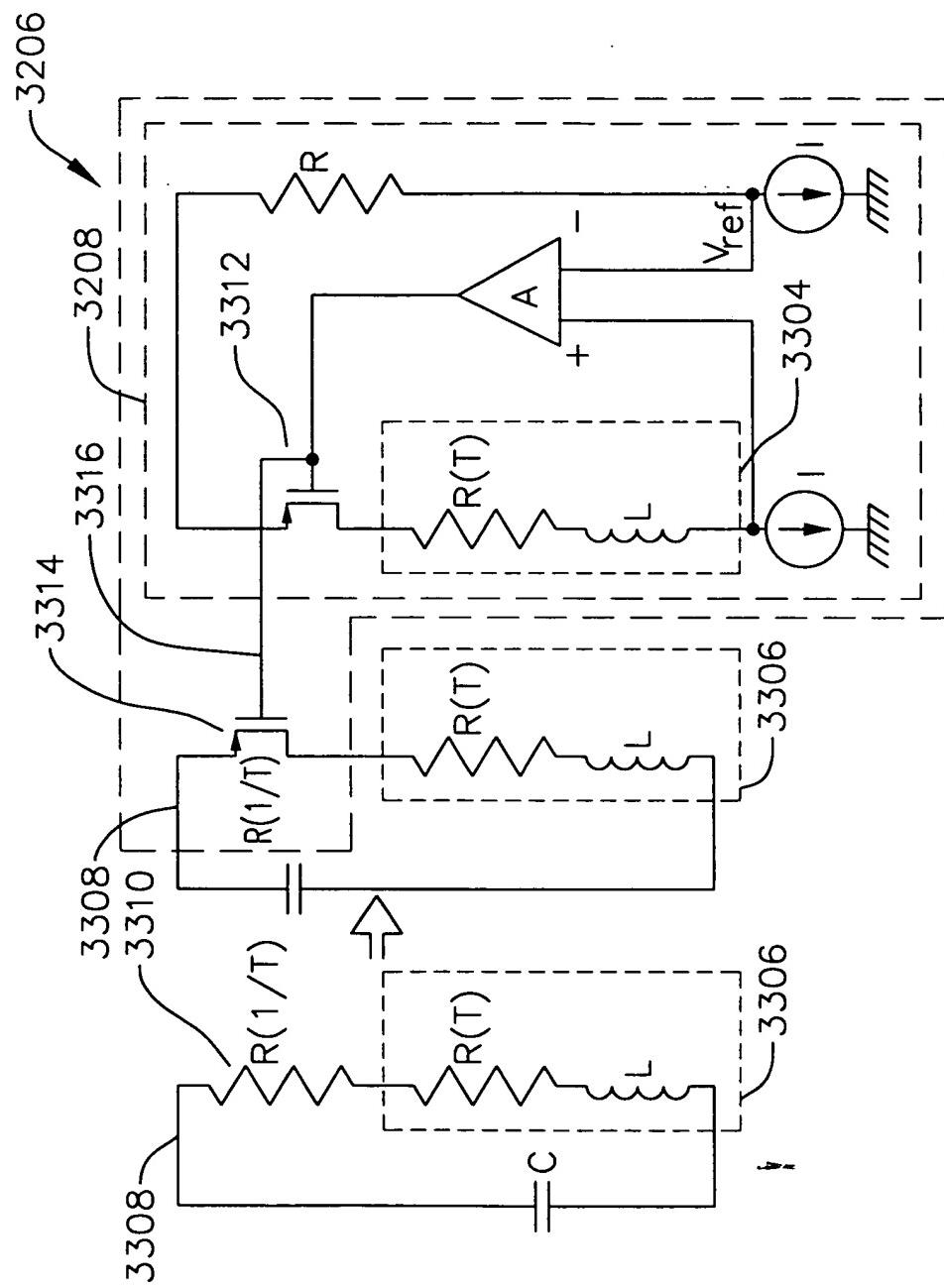


FIG. 32



TOP SECRET // EYES ONLY

FIG. 33



09766048.011901

FIG.34

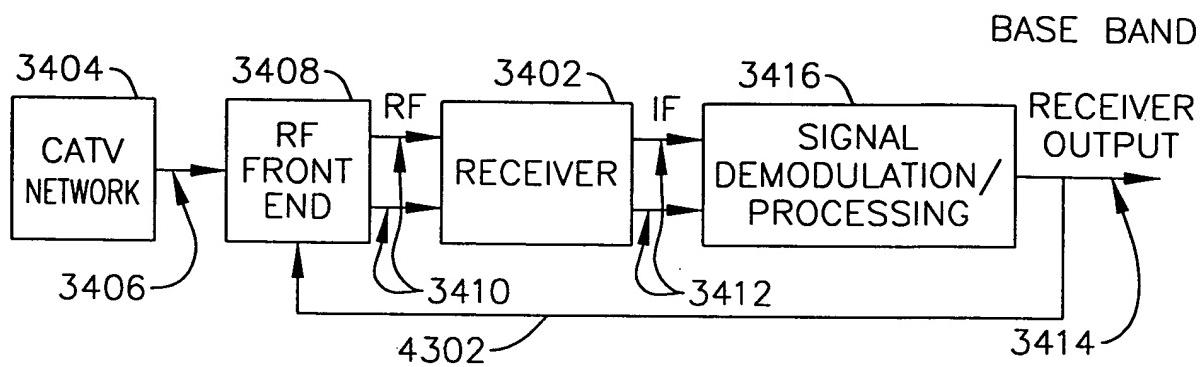
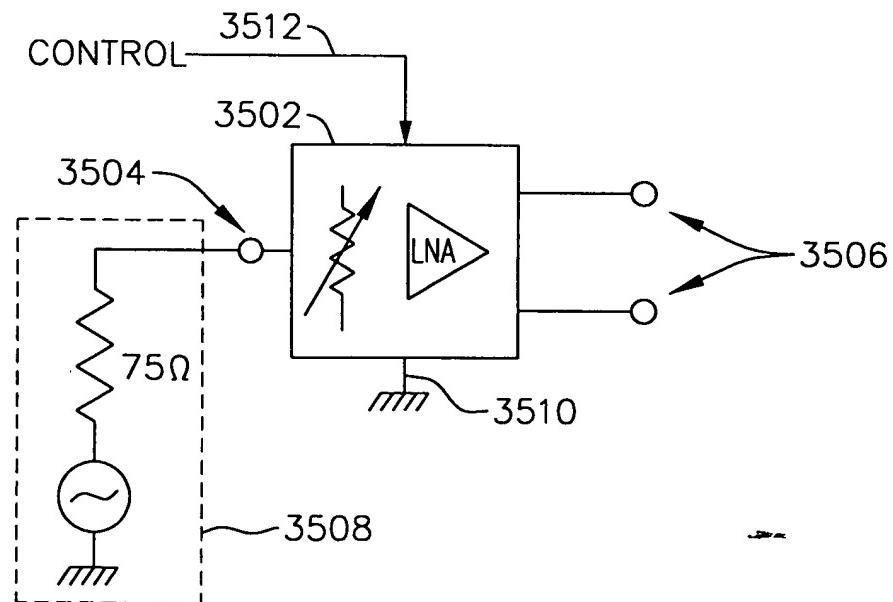


FIG.35



TOP SECRET 8-Nov-93 260

FIG. 36

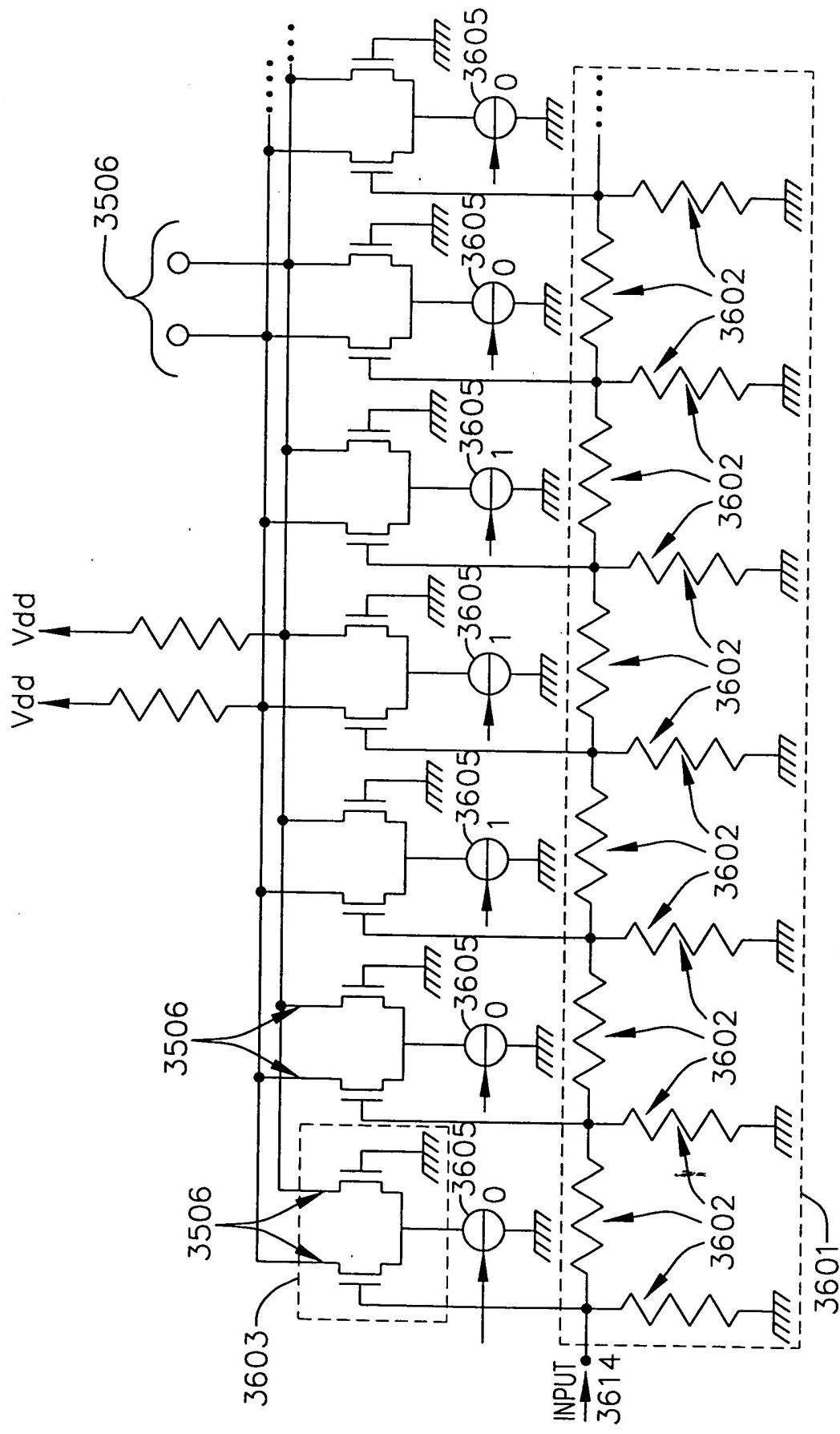
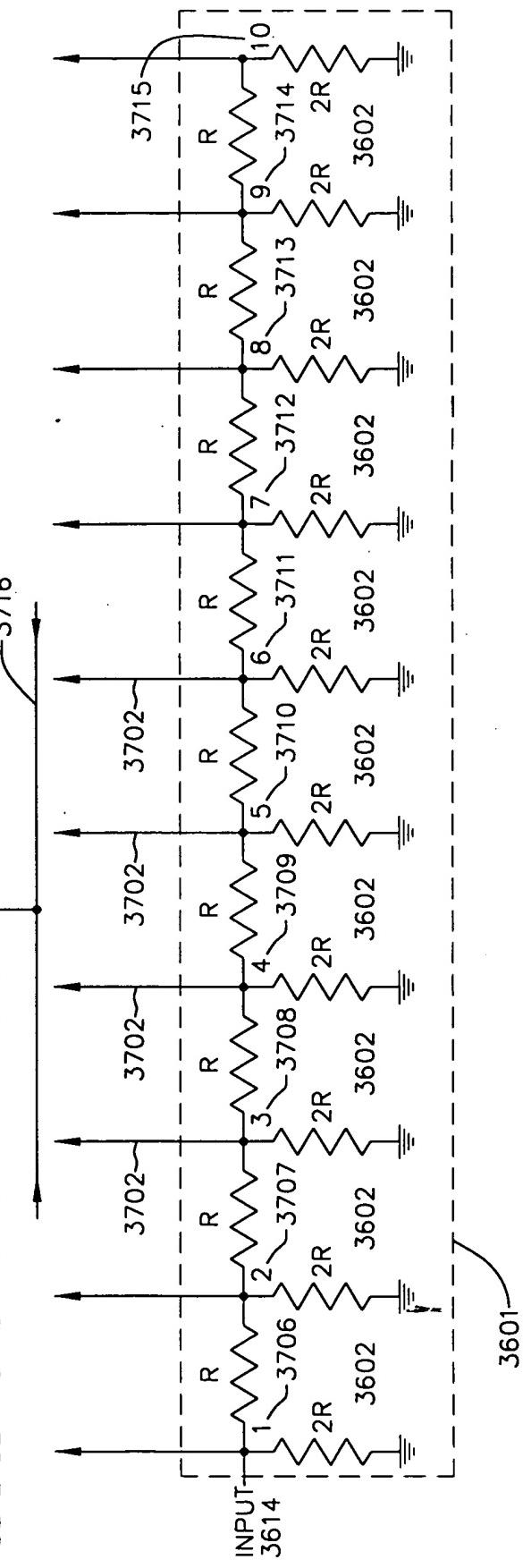


FIG. 37

FOUR POINTS OF CONTACT, OUTPUT VARIABLE,
DEPENDENT UPON POSITION OF THE SWITCH



F06FTC "34099260

FIG. 38

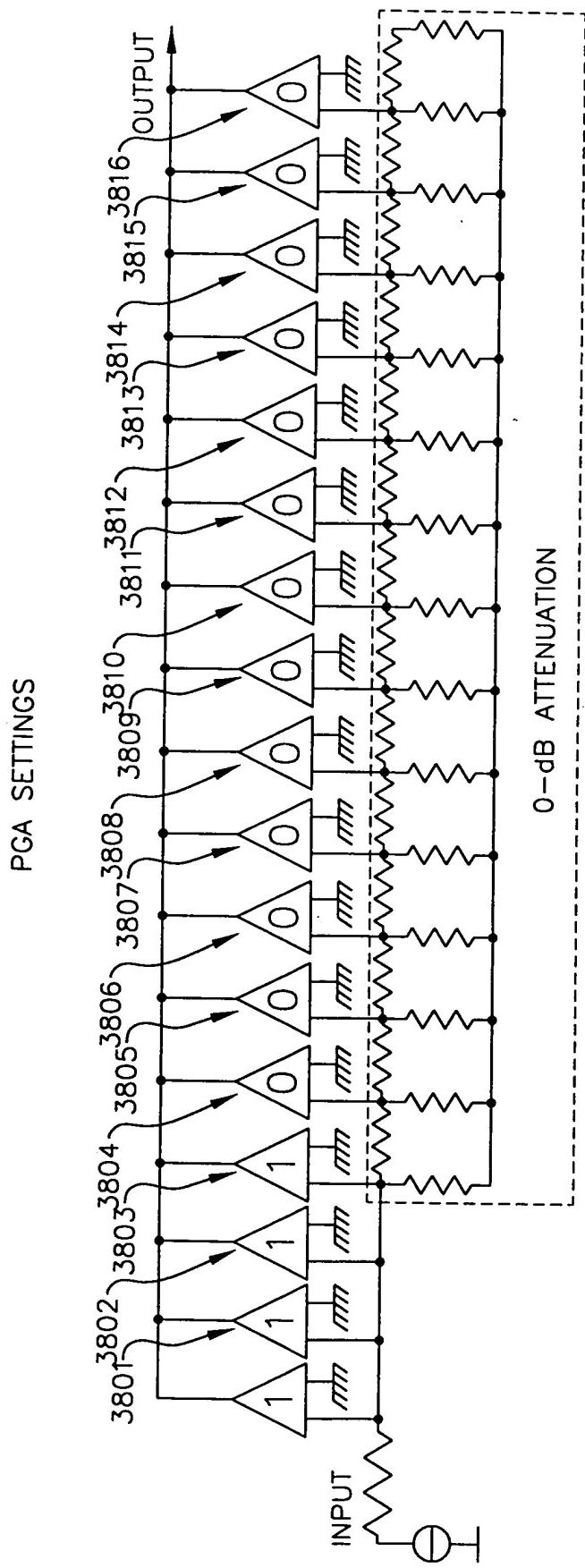


FIG. 39

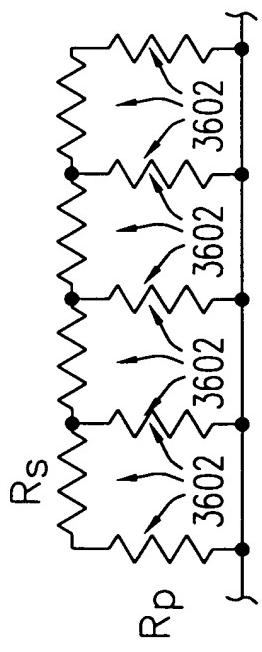


FIG. 40

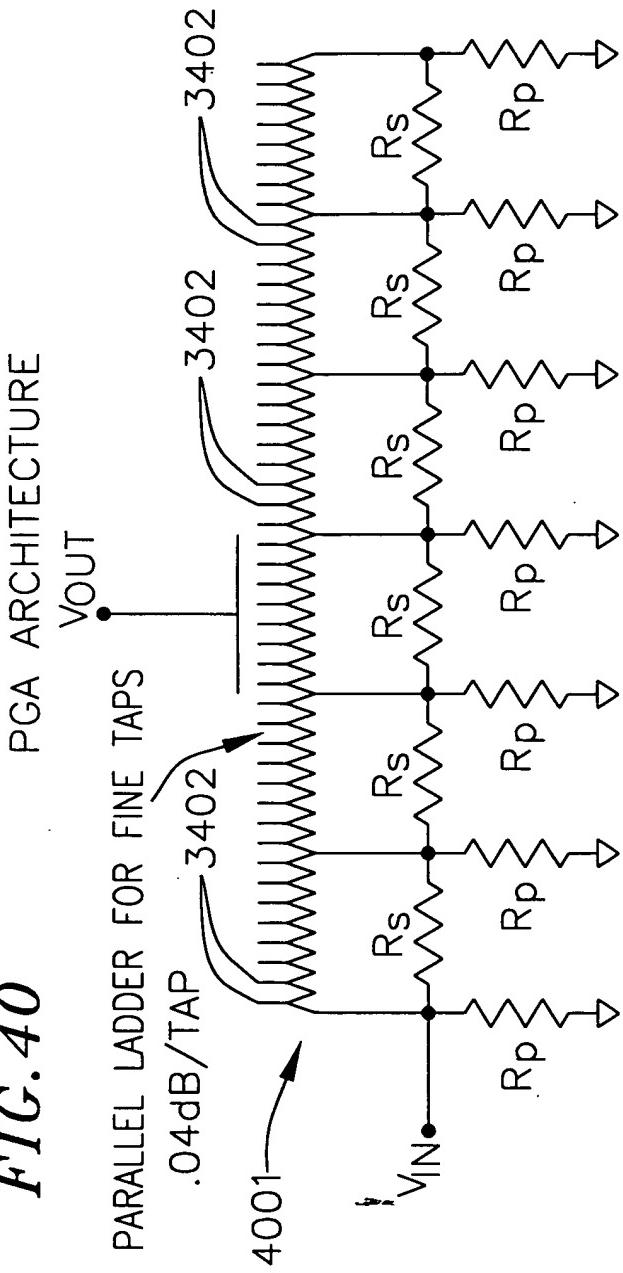
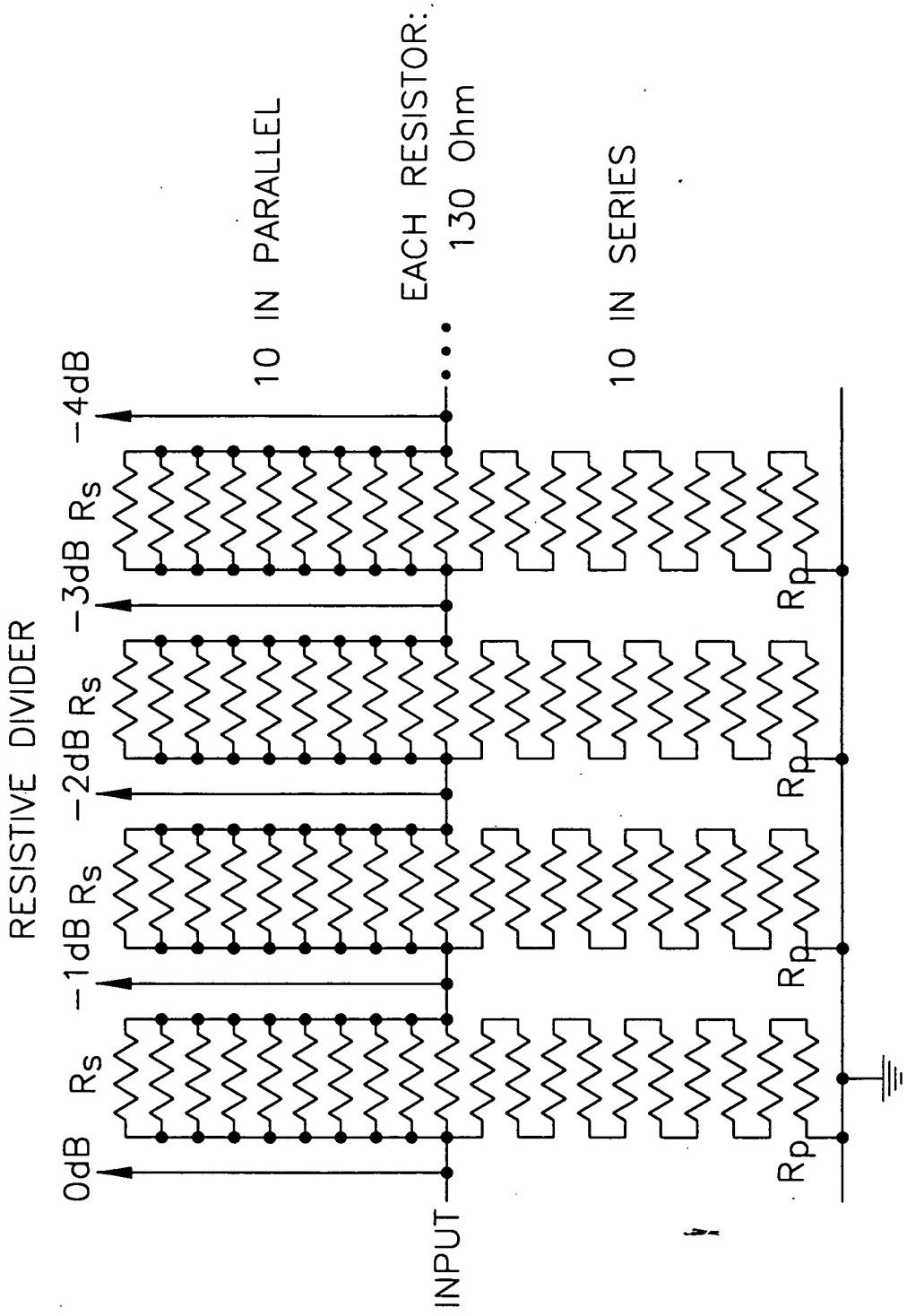


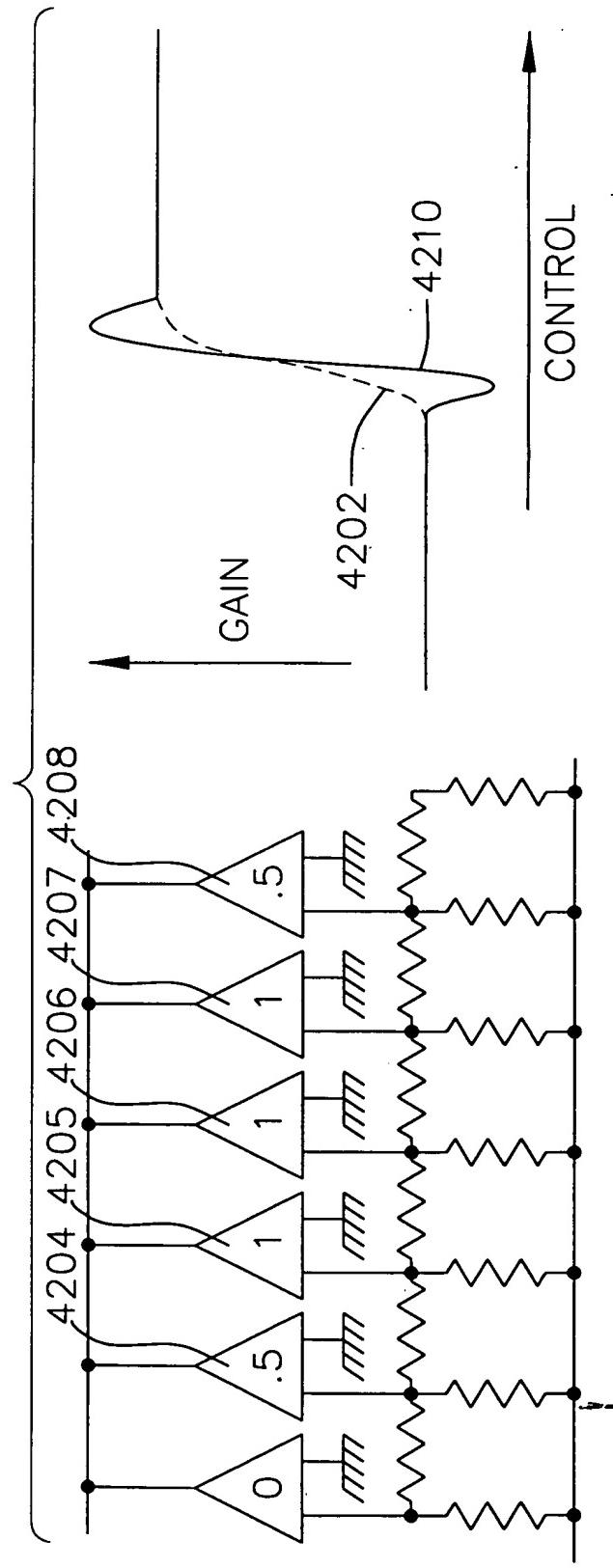
FIG. 41



F05FTD "B110992/60

FIG. 42

NON-MONOTONICITY



0092640-8410-0100

FIG. 43

CLAMPING CONTROL RANGE

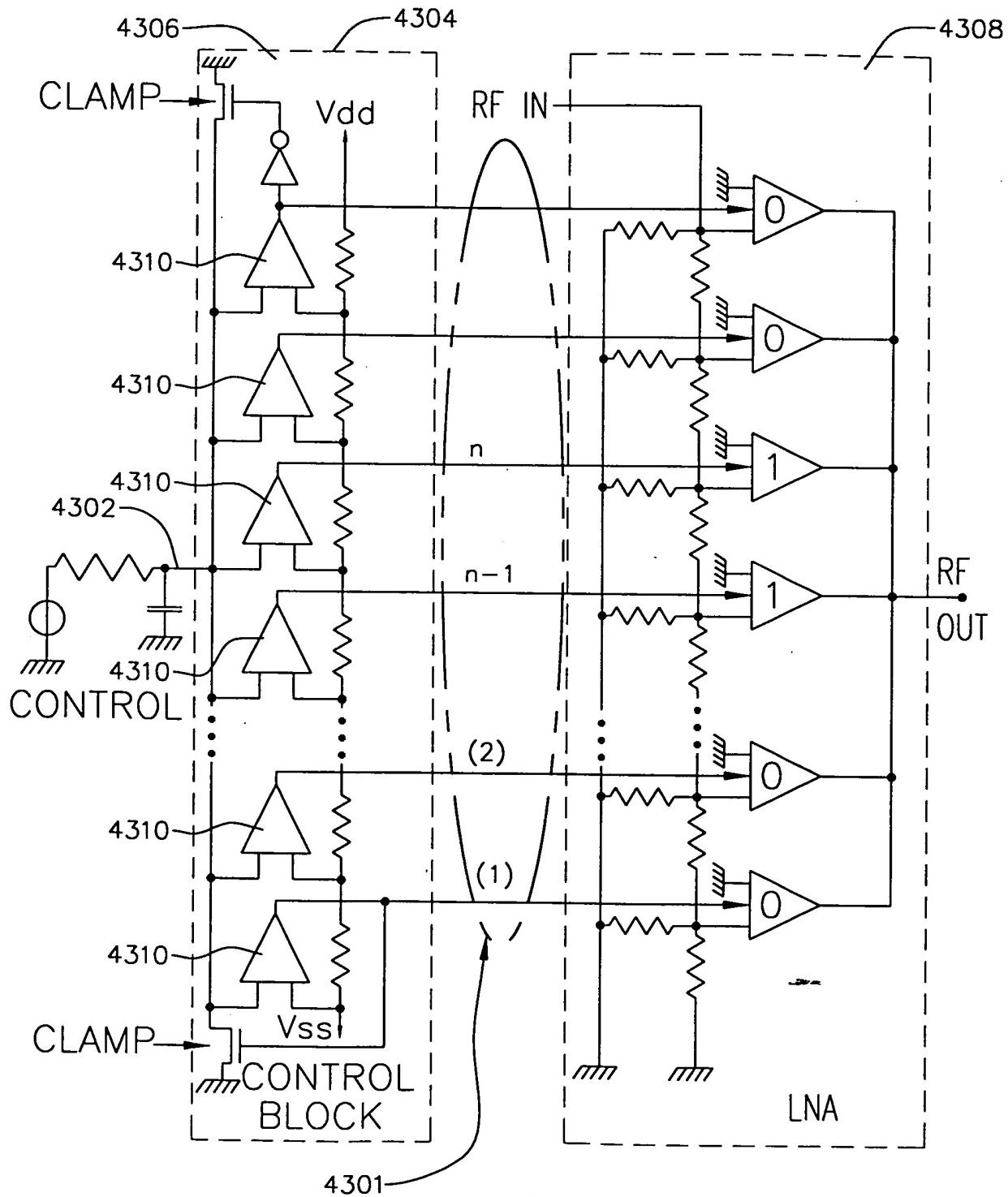
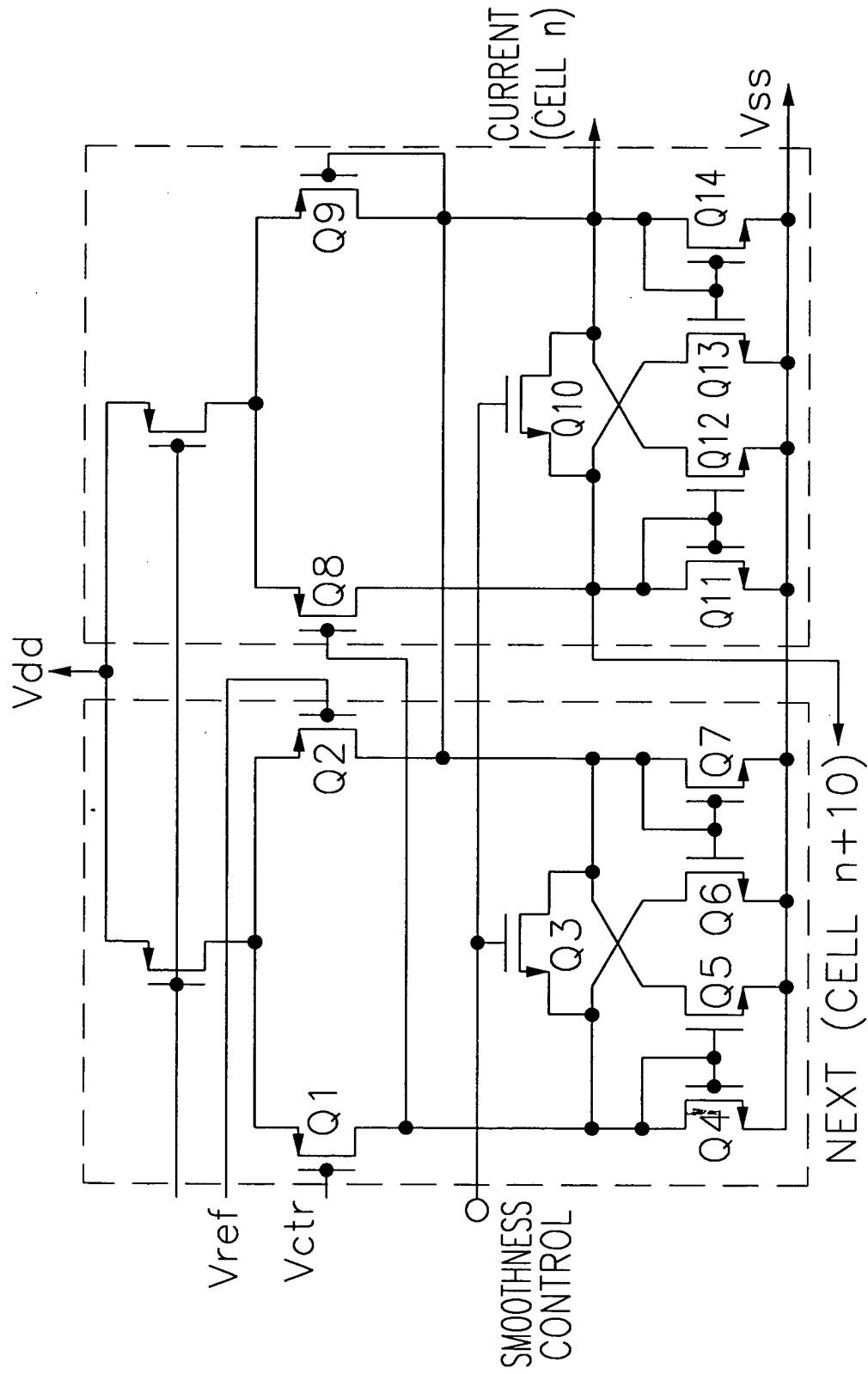


FIG. 44a
CONTROLLED GAIN COMPARATOR



卷之三

FIG. 44b

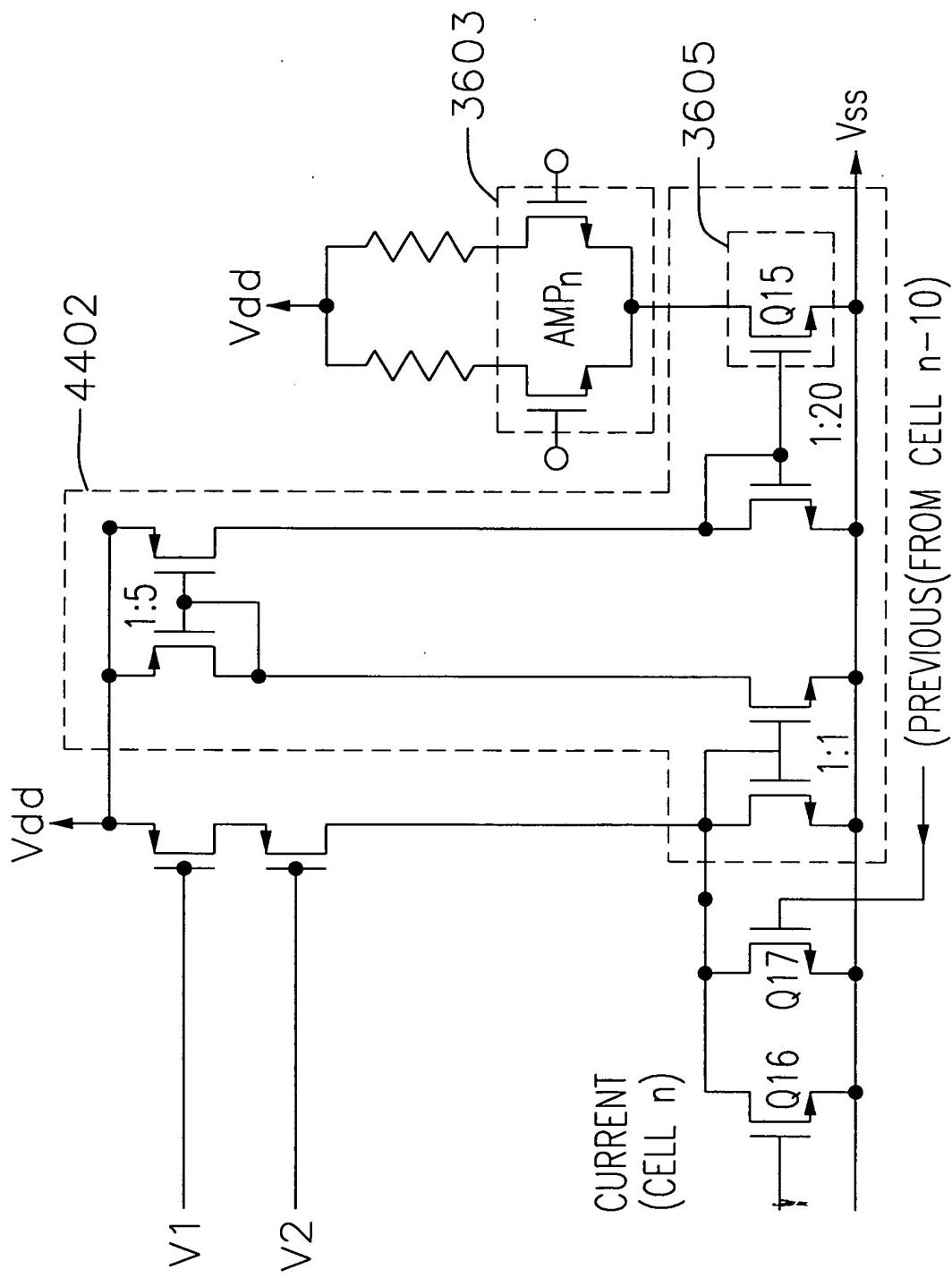


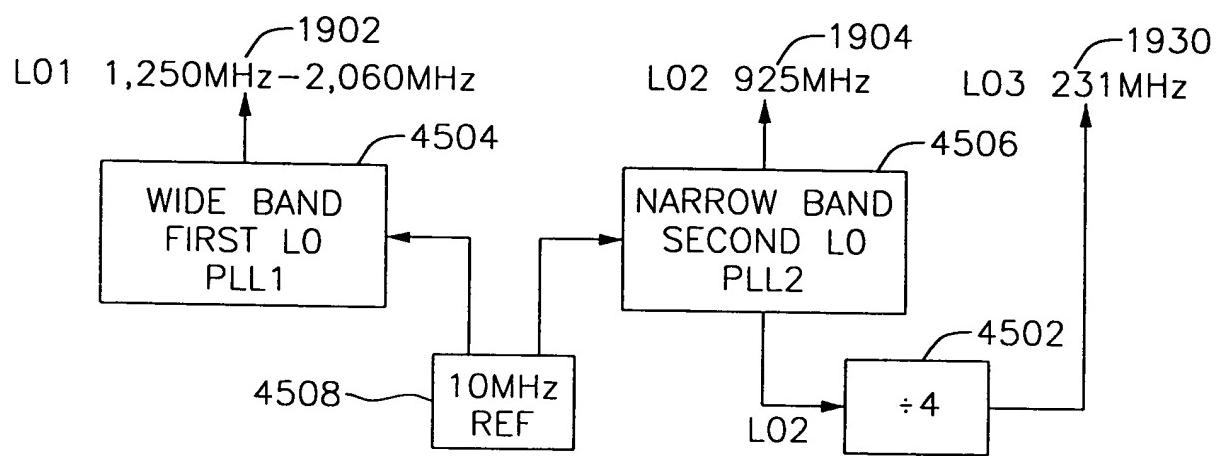
FIG. 45

FIG. 46

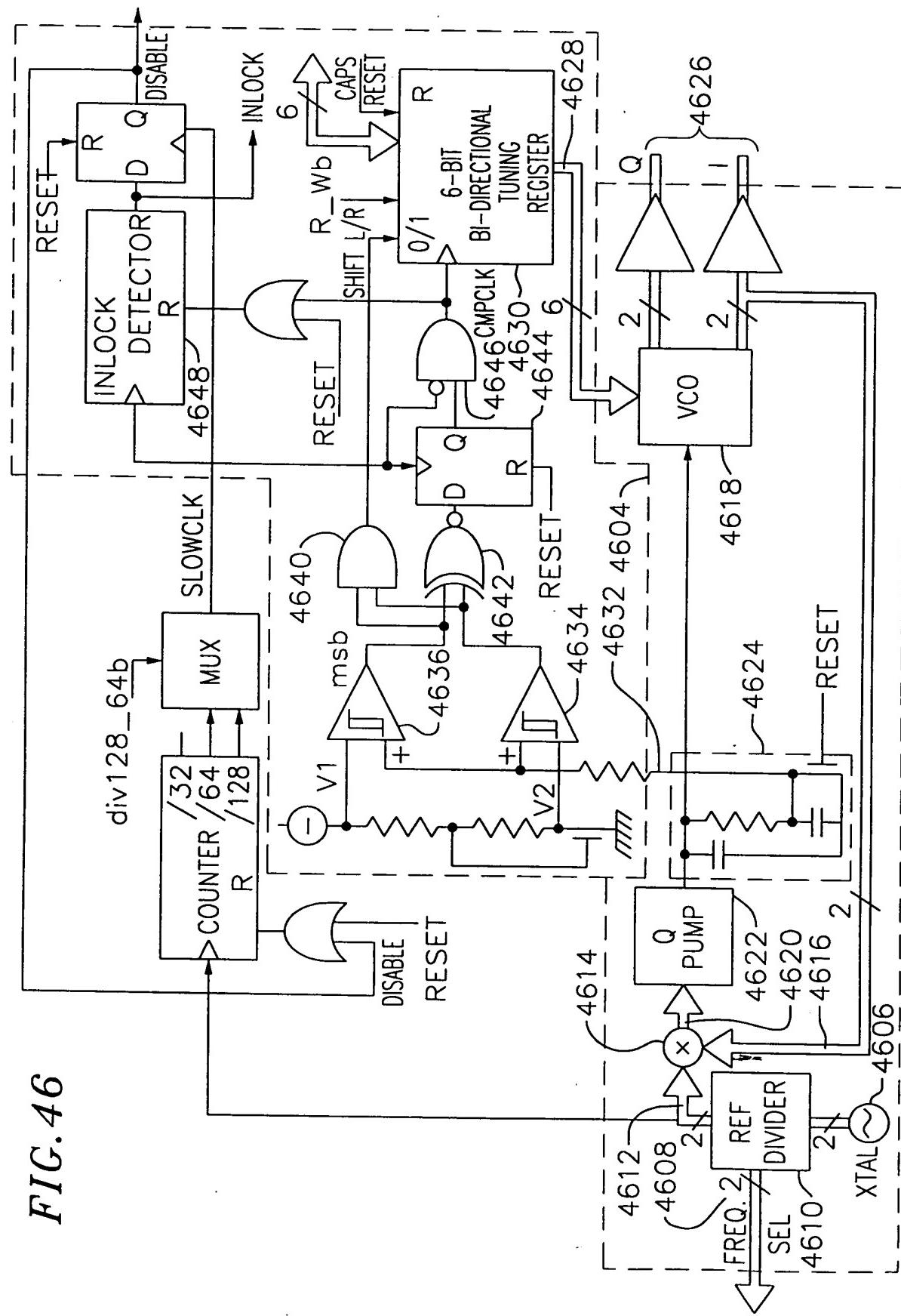


FIG. 47

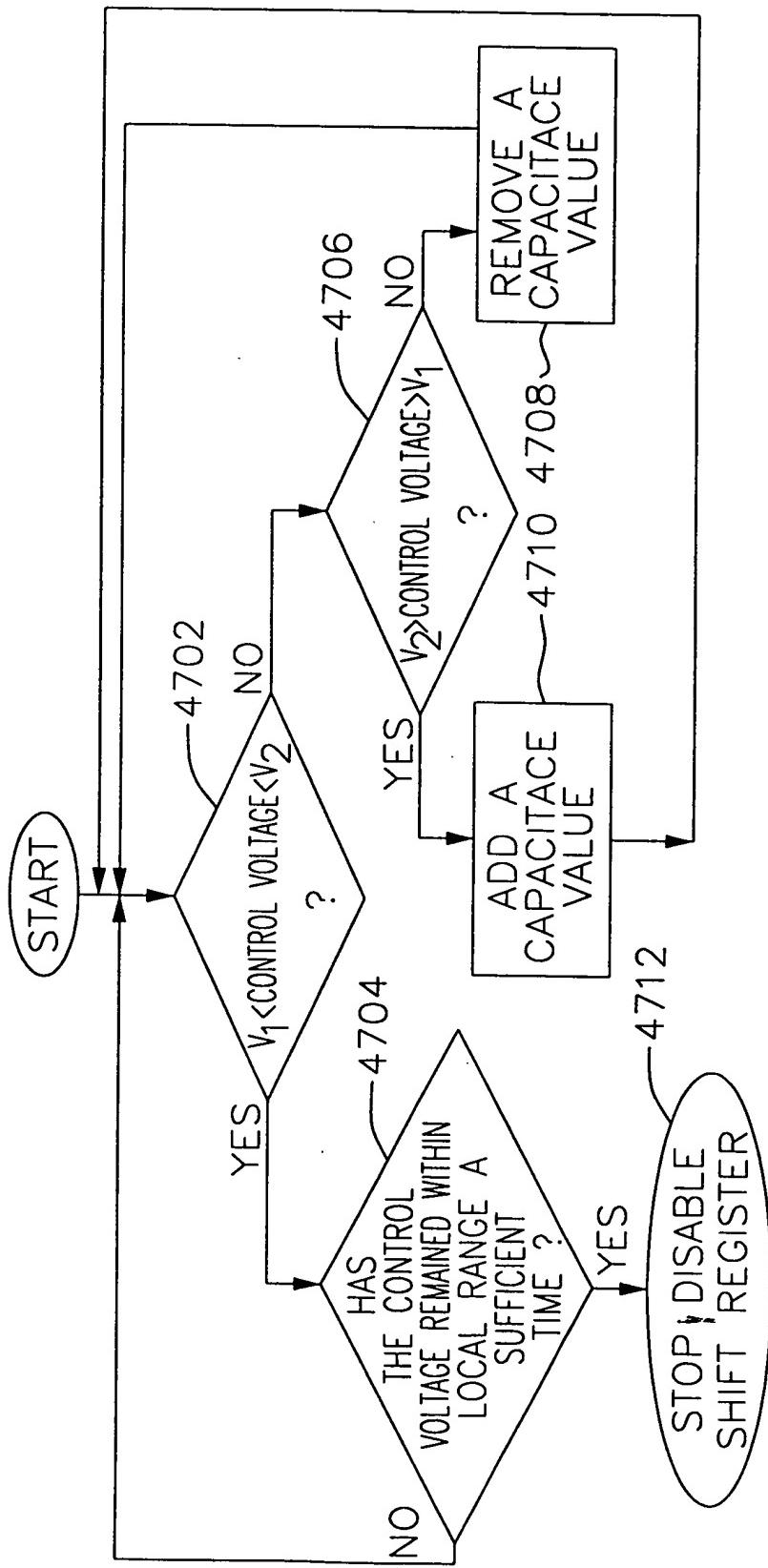


FIG. 48

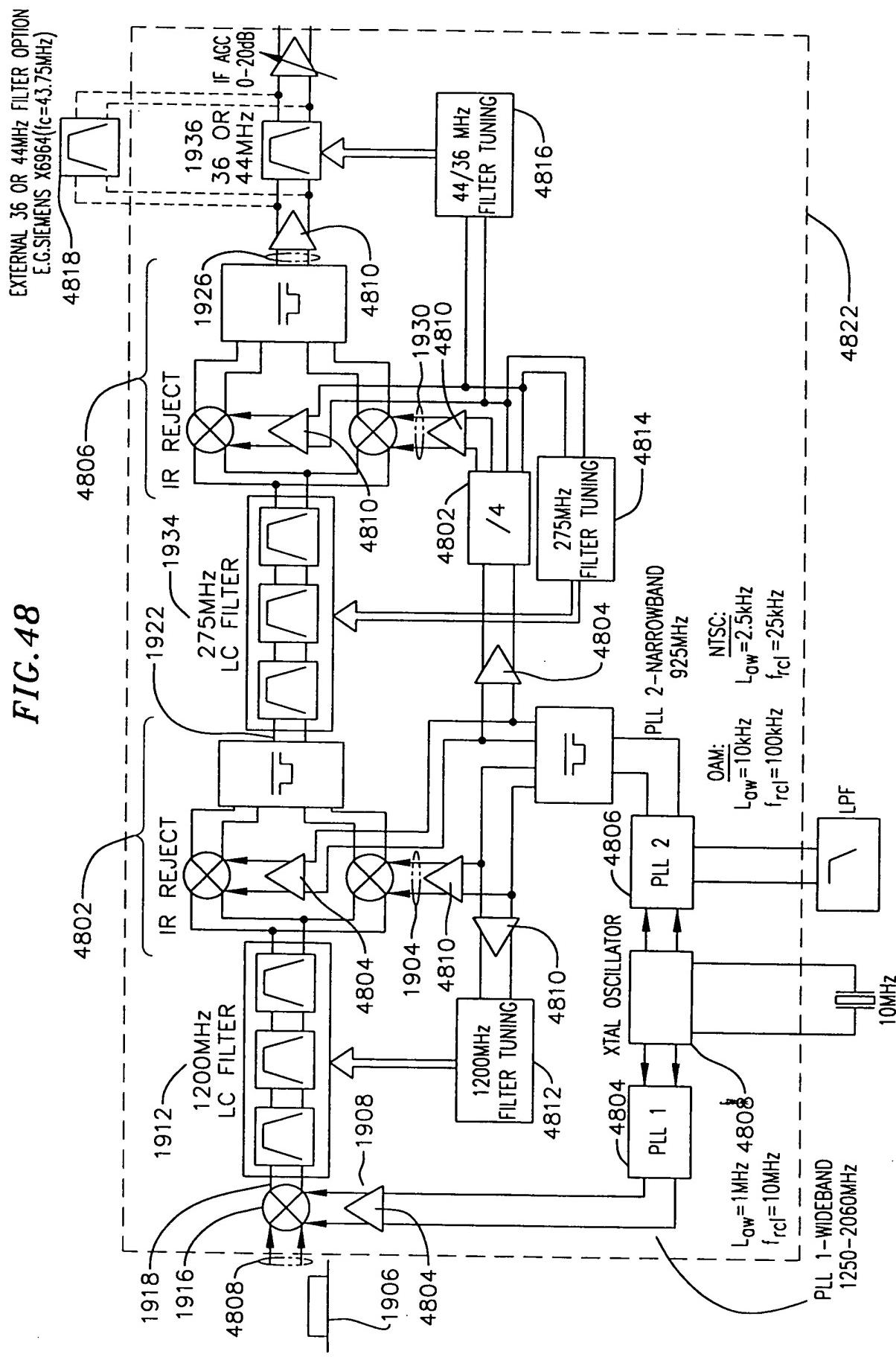


FIG. 49

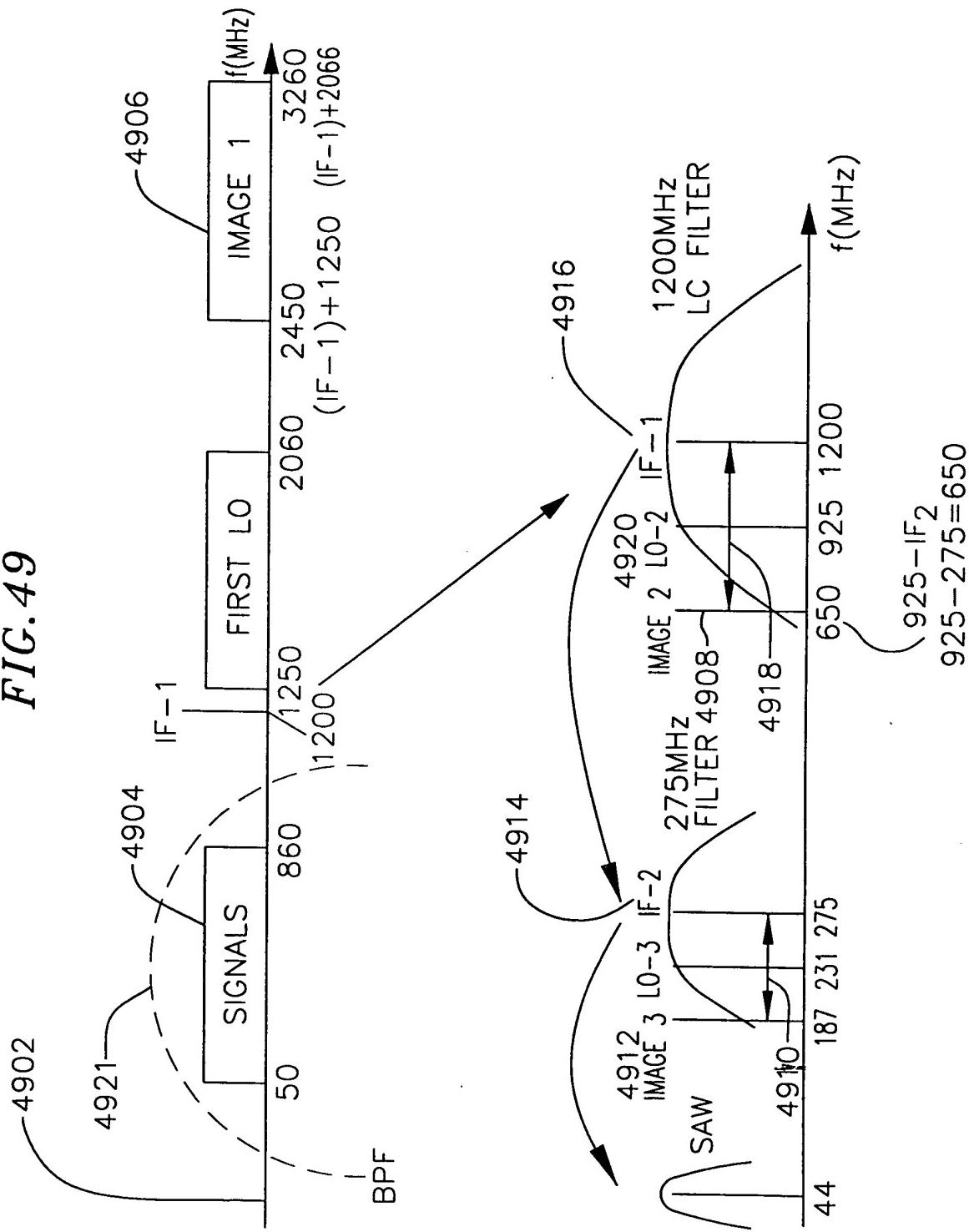
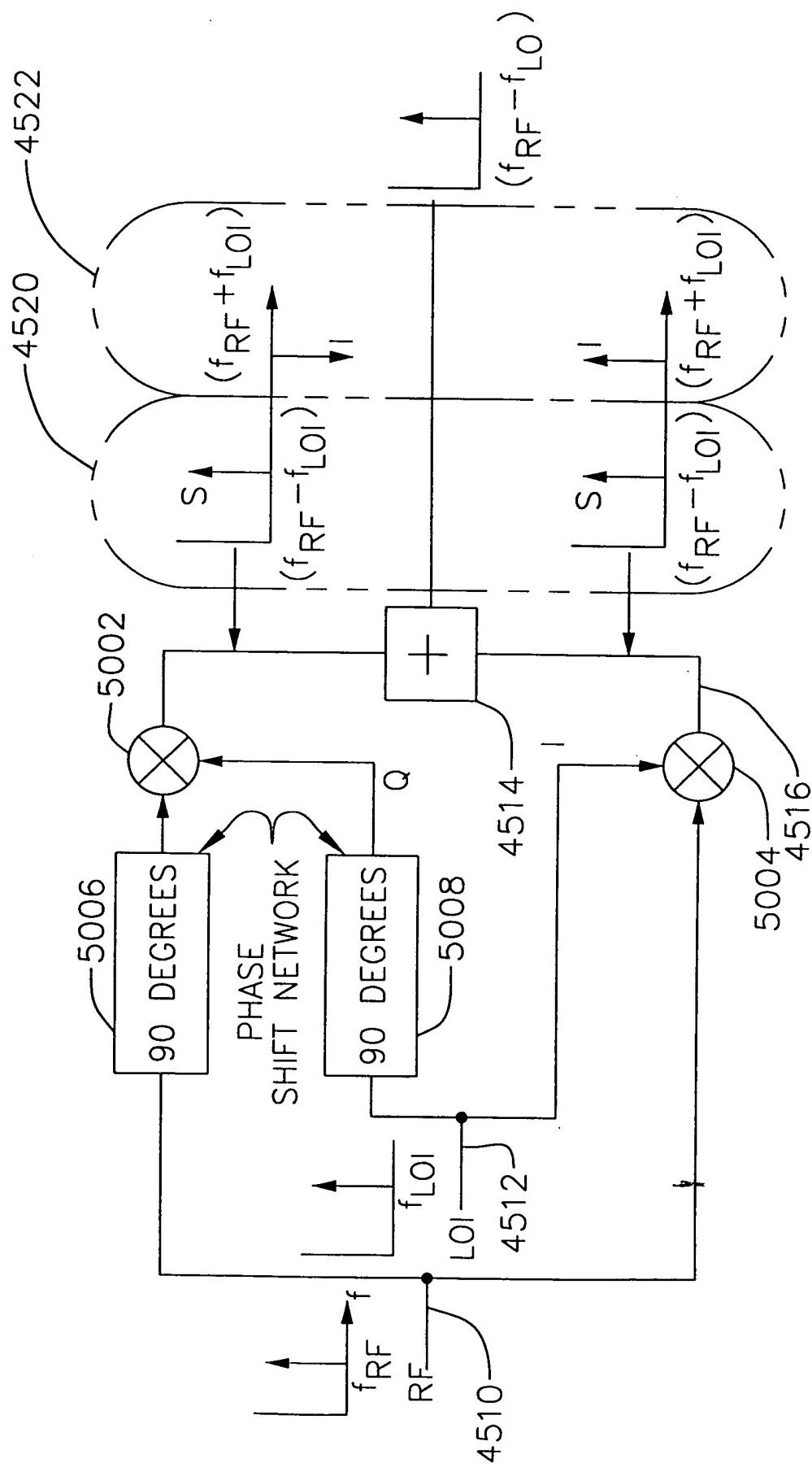


FIG. 50



תְּבִיבָה בְּשַׁבָּת

FIG. 51

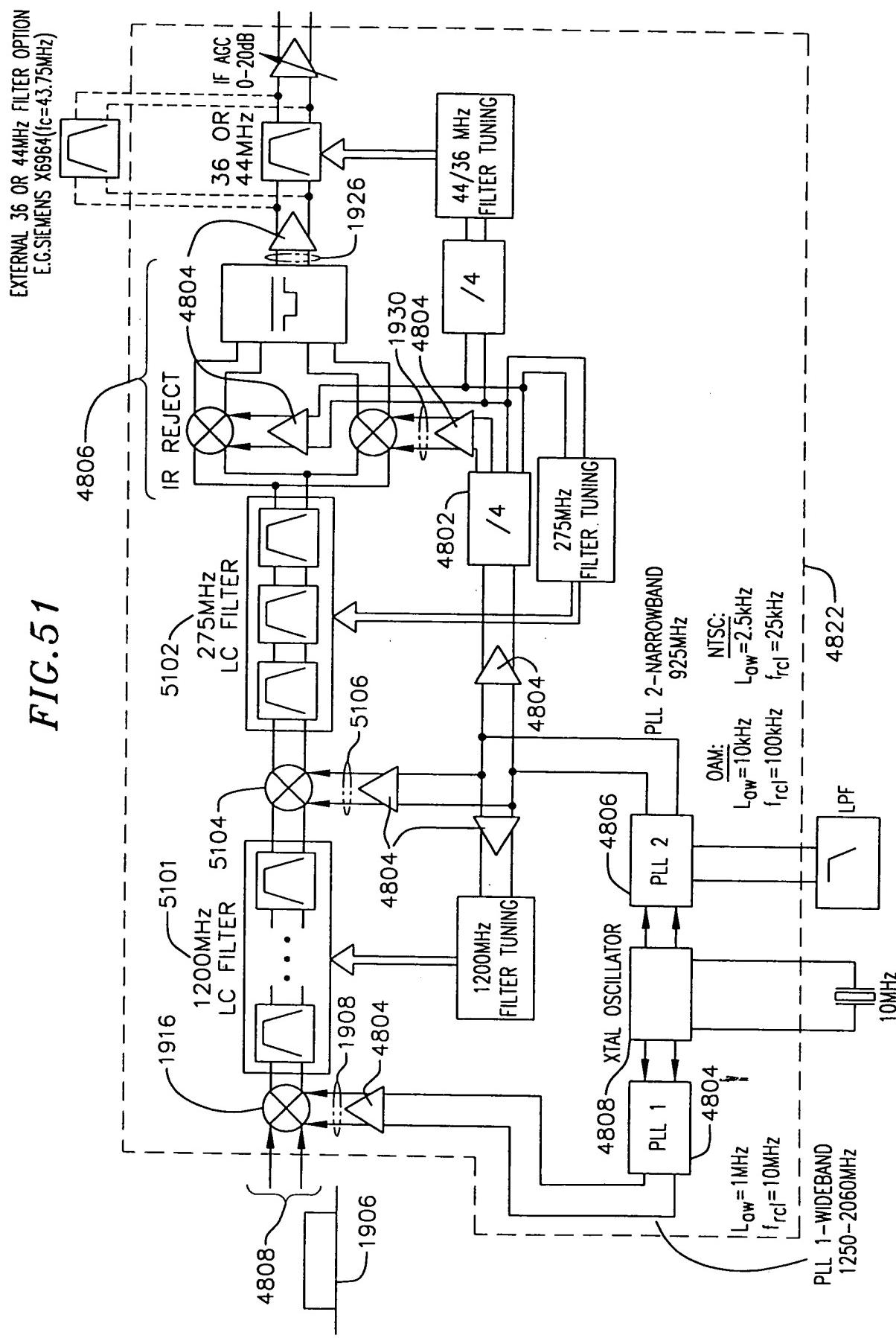


FIG. 52

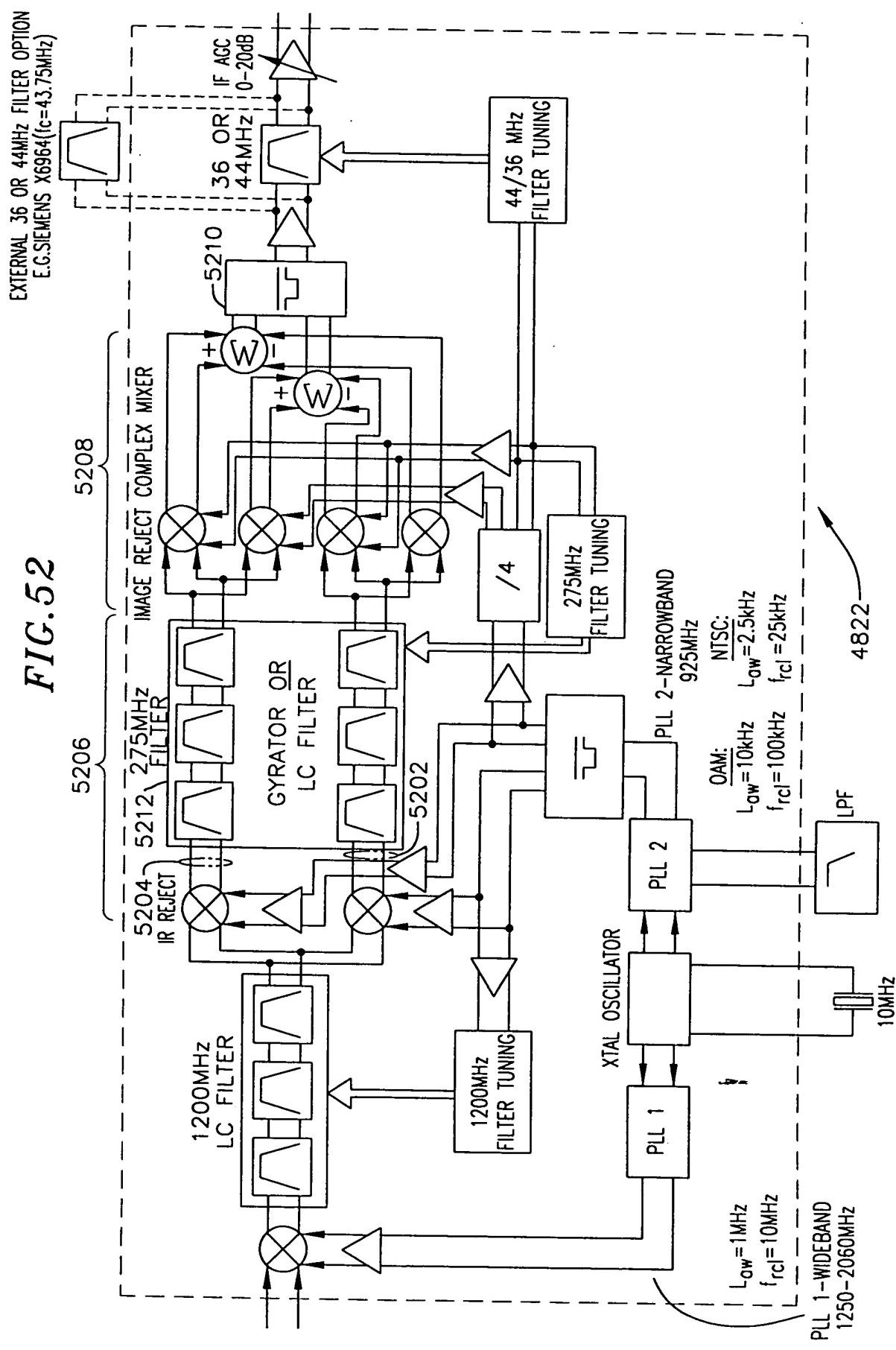


FIG.53
CATV TUNER

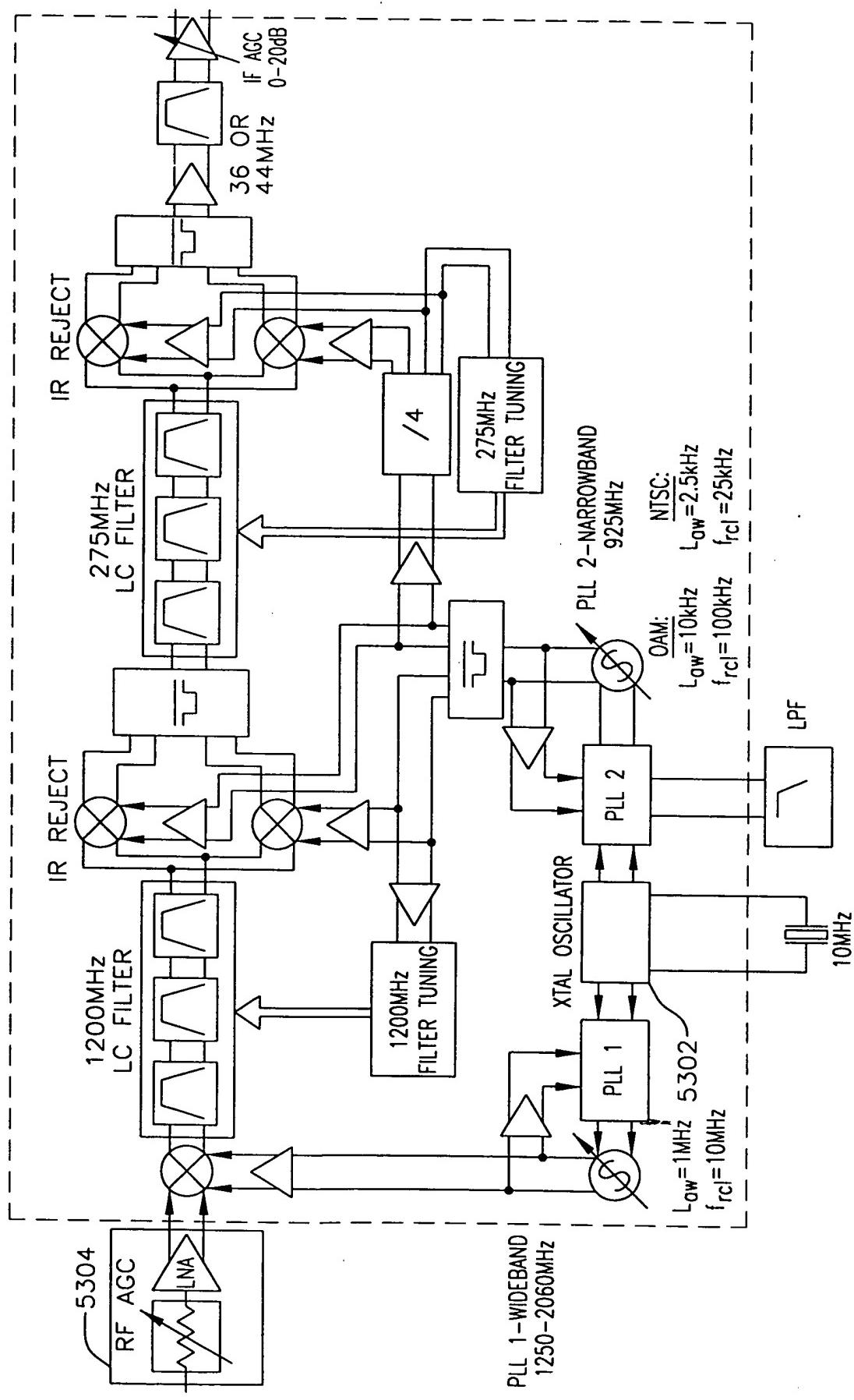
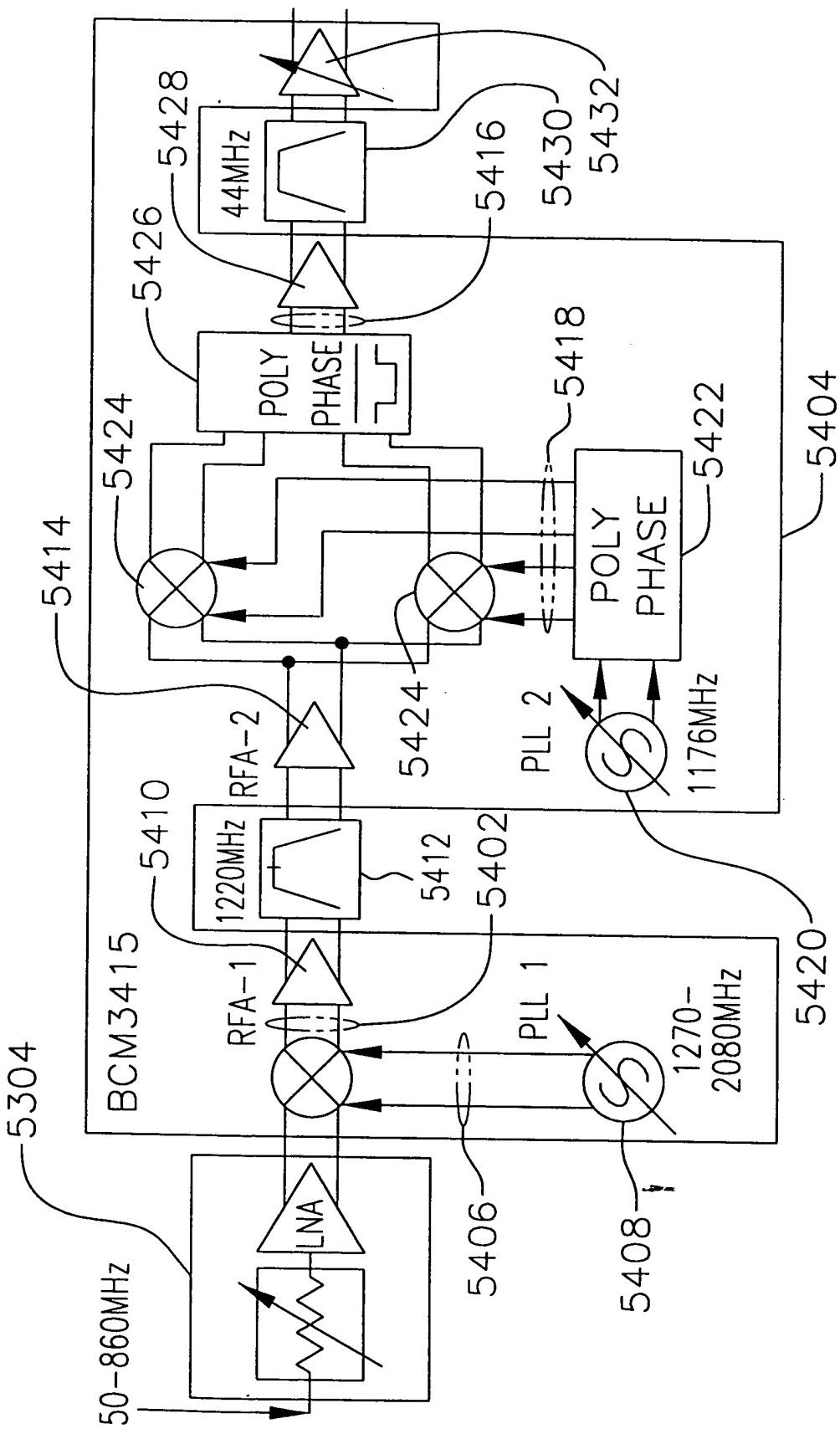


FIG.54



F05TF0 "34099260

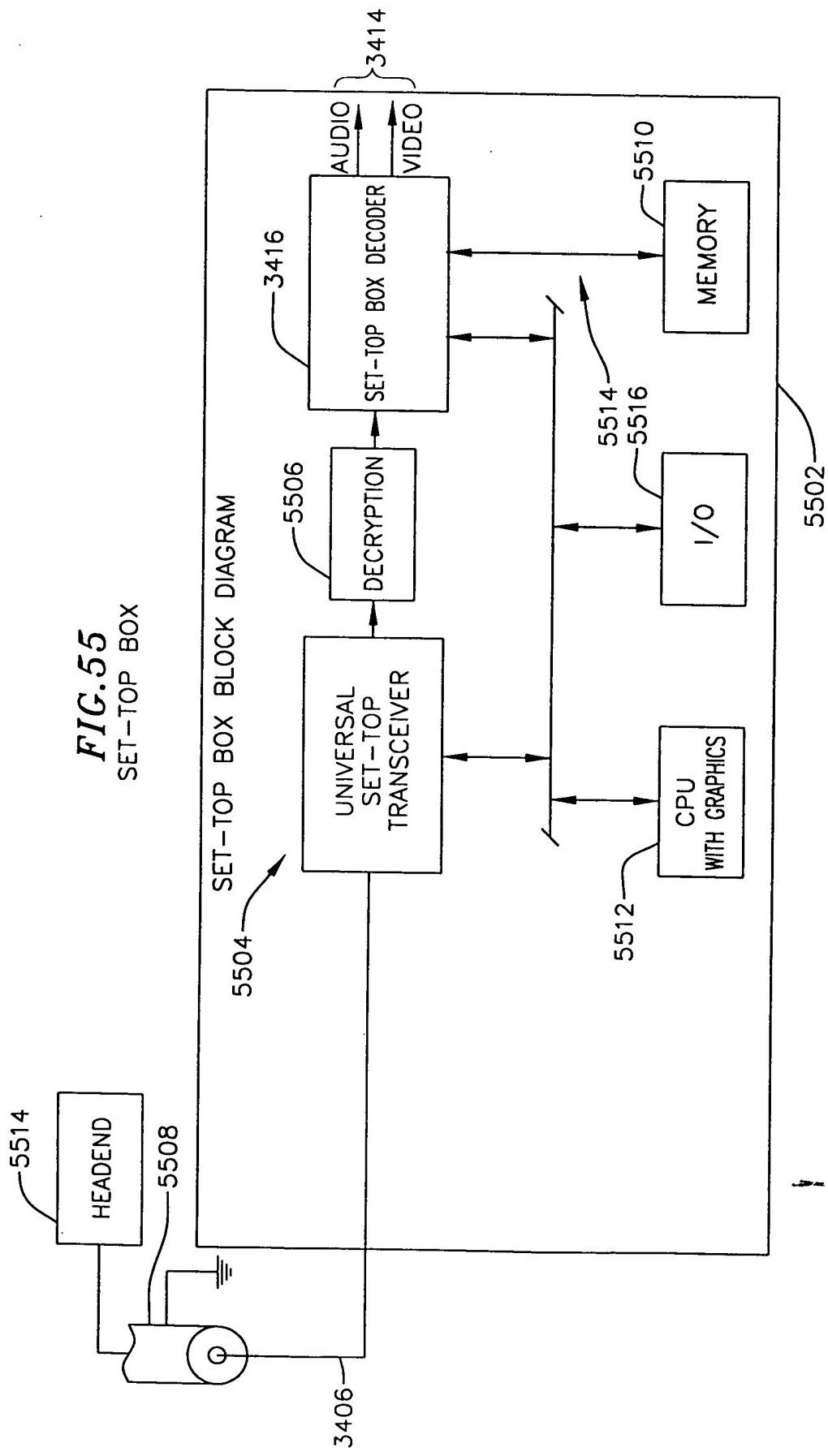


FIG. 56
TELEVISION

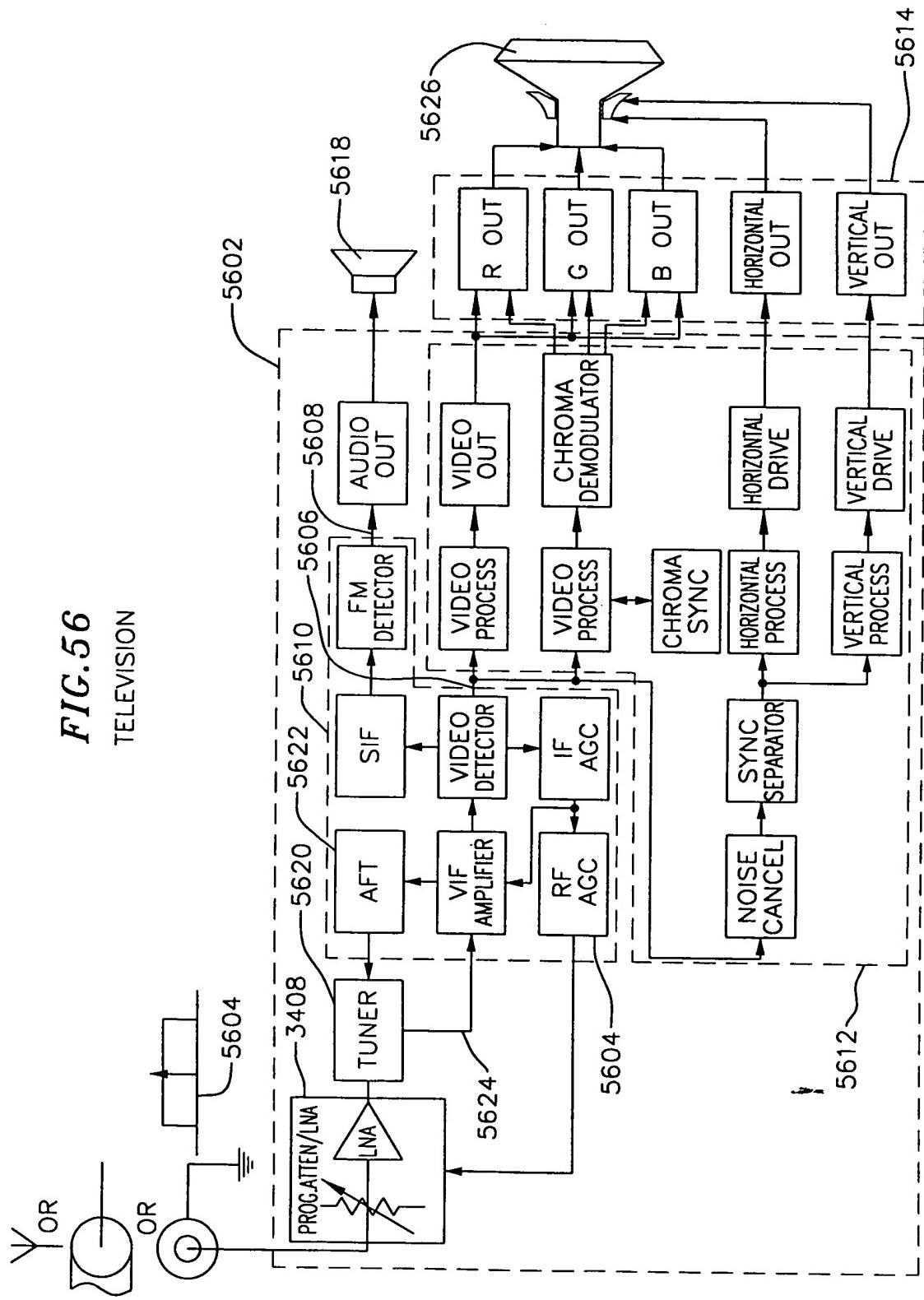


FIG. 57
VCR BLOCK DIAGRAM

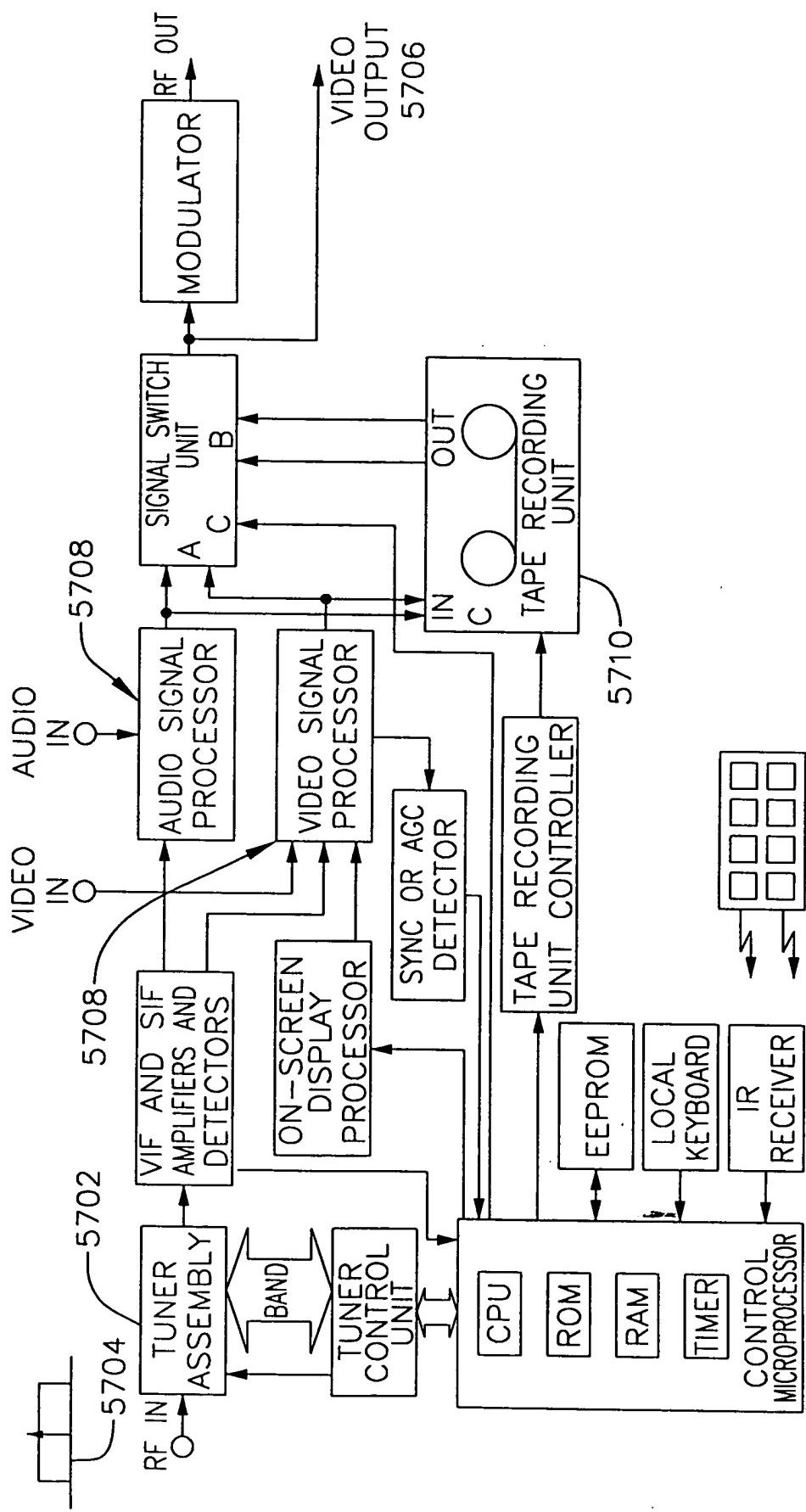


FIG. 58

